



Pilgrim's Progress, part of the rare seventeenth century John Bunyan set in the U of A Library's Special Collections. The Gateway helps the library celebrate its seventieth anniversary and its 2 millionth volume on page 17.

Absurdity: a statement or belief...

the Gateway

WEDNESDAY, OCTOBER 10, 1979

...manifestly inconsistent with one's own opinion.

Ambrose Bierce

Greater government intervention here?

by Alison Thomson

Governments may have to become increasingly involved in the governance of post-secondary institutions if the institutions "fail to make the necessary and very difficult decisions required to examine and readjust their direction."

This statement was made by assistant deputy minister of Advanced Education and Manpower R.A. Bosetti in his discussion paper on board-government relations presented to the Board of Governors in a closed seminar last week. The seminar involved representatives from the boards of all the post-secondary institutions in Alberta.

"Government expects the boards, and most particularly the public members of boards, to be able to reflect the expectations, views and values of the general public," says the document.

Public member of the U of A Board of Governors John Barry agrees. "Universities are too important to be left in the hands of the academics," he said.

This attitude refers specifically to funding of post-secondary institutions.

"...where funding is no longer provided as a 'right' of

institutions, boards of governors will be increasingly called upon to justify their funding requests through evidence of their ability to readjust priorities and reallocate resources internally," says the report.

The paper says the boards and governments need to find compromises on tuition fees. Barry said, however, that boards alone should set fees. He said no one should have to miss post-secondary education for financial reasons, but students should be paying 10 per cent of the cost of their education.

The paper considers the situation in different countries

post-secondary institutions with regards to board-government relations. It contrasts the relative autonomy which the institutions in Britain enjoy with the increasing government involvement in universities and colleges in the United States."

The paper concludes that in Alberta, relationships between boards of governors and the government are characterized by public participation through the boards, and through co-operation.

Barry said about this however, that "faith without good work is useless."

Province gives bucks to U Vic

The province of Alberta has given \$50,000 to the University of Victoria's W.A.C. Bennett Memorial Fund.

The fund is a scholarship pool providing fellowships and bursaries to students in public administration and management. These students generally assume a career in the public service or private industry, and the degree is roughly equivalent to a Business and Commerce degree.

The grant was authorized by the Alberta cabinet this summer, and was intended as "an enduring tribute to a prominent western politician," said the premier's office.

Students' election postponed for week

The election for vp finance and administration of the Students' Union has been postponed until Friday, October 19. The election was to have been held this Friday.

A special meeting of Students' Council yesterday decided that the four-day week would make it difficult to make students aware of the issues of the election.

The election is being contested by interim vp finance and administration Glen Gallinger and commerce representative to council, Willie Gruber.

Several other positions will be contested in the students' election. Richard Roe, Fred Popowich and Erik Fenna will be contesting the vacant science seat on Students' Council. Two empty education seats will be contested by Robin Kramar, Rob Porkka and Edmund Metatawabini.

In General Faculties Council, four science vacancies will be contested by Karen Boodram, Catherine Johnson, Richard Roe, Mark Roznicki and Gord

Kirk. Two arts vacancies will be filled by Norbert Lorenz and Scott Thorkleson. Education nominations have been reopened.

Gallinger spoke against the postponement of the election, saying that it will prejudice his changes since his campaign plans are already made.

"I'm going to be complaining if the date is changed," he said. "The date was set two months ago."

Gallinger said he had prepared posters to be highly visible for only a short time and now his posters will be torn down long before the election.

Vp internal Sharon Bell said many of Gallinger's posters were taken down because they were in places not allowed by building policies.

President Dean Olmstead said council should consider students before candidates and postpone the election to give students a chance to find out about the issues.

The motion carried with only Gallinger opposed.

Because of special arrangements with the Journal and the Sun, the Gateway will only publish one issue this week. We'll be back to our regular publication schedule next week.

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Energy Resources Conservation Board

Vacancies on GFC

Although only twenty-two of forty student undergraduate positions on General Faculties Council (GFC) are occupied, a student representative on GFC has deemed the situation "not serious."

GFC Student Caucus chairman Chris Hansen says "it's only a matter of time before the positions are filled." Hansen cites student disinterest and a general difficulty in filling various faculty organization positions as reasons for the vacancies.

The Students' Union is holding a by-election later in October to fill nine of the eighteen vacant positions. There are four openings each from the Faculties of Education and Science, and one from Arts. The vacant position from Arts is due to the resignation of Kevan Warner.

The remaining nine positions are to be filled when faculty organizations responsible for electing their own members hold elections.

Students may only vote for the positions open in their faculties.

Students were first given a major role in GFC in 1971. At that time, students were granted parity with elected staff members. In the years following, the student caucus has usually been full, but in the last few years, student interest has tapered off.

Canadian University Press

National Notes

No more working class doctors

NEW YORK (CUP) — Students from families with lower-middle incomes — in the \$10,000 to \$20,000 a year range — are gradually disappearing from US medical schools, while the percentage of children of the affluent is increasing.

Surveys of entering classes by the Association of American Medical Colleges show that from 1974 to 1977 the number of students from families in the \$10,000 to \$16,999 category fell from 20.9 per cent to 14.9 per cent and those in the \$17,000 to \$20,000 group fell from 13.4 per cent to 11.3 per cent.

"We have been fighting for years to broaden the socio-economic level of entering students but now we are concerned that medicine is going to return to being a profession for the rich," says John Cooper, president of the AAMC.

Although the national median family income in the US in 1977 was \$16,000 the median for new medical students was \$26,000 that year, according to the Bureau of Census.

"H.L. Mencken once said that medicine was a rich man's sport and I have been comforted in the last decade that that was past history," says Dr. Henry Seidel, associate medical dean at John Hopkins. "But I am scared for the future because I don't think we can have a viable system unless we have a strong cadre of physicians from the entire social spectrum."

Let them eat cake

HAMILTON (CUP) — Ontario education minister Bette Stephenson apparently expects parents to "starve" if necessary to pay for their children to attend university.

Speaking to students at McMaster University recently, Stephenson said that despite inflation the provincial government expects parental contributions to increase.

"In Japan, many parents starve for their children's education," Stephenson replied to students' complaints.

The remark typified the question and answer session, with the education minister skilfully dodging inquiries about future funding of Ontario colleges and universities, possible tuition increases, student aid plan changes and the status of foreign students in the province.

Door Wars in Montreal

MONTREAL (CUP) — Students at Vanier College have been shown the door — by a campus security guard.

But rebellious students have launched a Door War against the administration's attempt to force them to use side doors instead of the main college entrance. The move was made in an effort to relocate student traffic and minimize cleaning costs.

Campus director Joe Zemanovich said the decision is logical and dismissed arguments from students who protest the non-democratic nature of the restriction.

"What's democratic today anyway?" Zemanovich asked.

"I consider it complimentary that the major issue at this school is the front door," he said.

But the student association doesn't take the action so lightly. A newsletter put out by the association called the door stop an invasion of students' rights and urged Vanier students to defy the regulations.

"I've always used 821 (the main entrance) and I'm still going to use it, ban or no bah," said one militant student.

An idea for Olmstead

REGINA (CUP) — The University of Regina student representative council, plagued by poor attendance of its members, has decided to reward those who attend its regular meetings.

In a variation of the "gold star" reward used in primary school for achievements, councillors will receive, at the end of the meeting of course, their choice of one pub night or two film night passes for showing up.

Quorum has been a major problem for the council, which has been forced to cancel several summer meetings due to a lack of attendance.

Council bylaws allow for councillors to be suspended after missing three consecutive meetings but it is hoped that the reward system will make suspensions unnecessary.

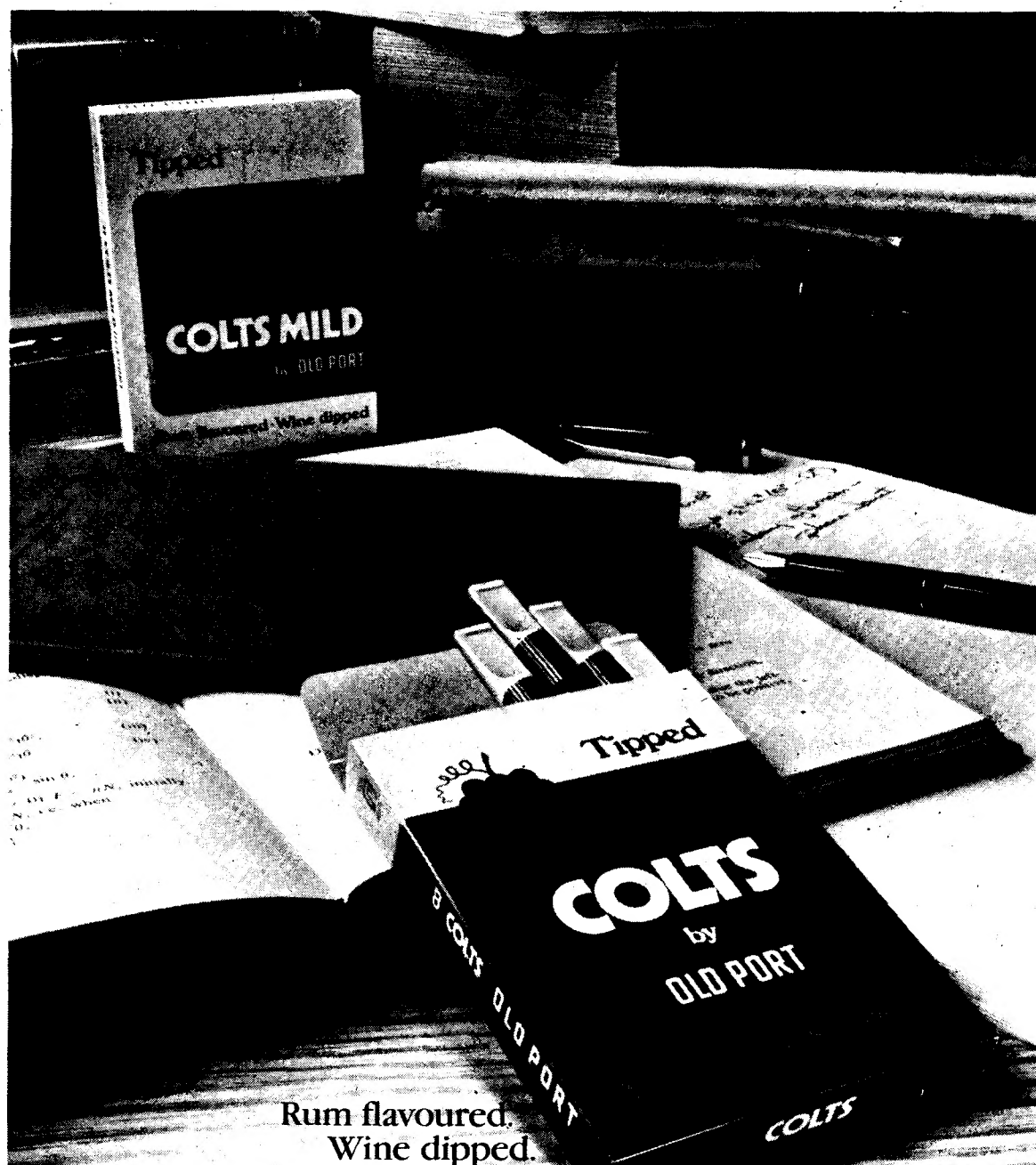
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U loses students

While figures released last week indicate a 3.4 percent drop in students attending the U of A, other post-secondary institutions have experienced increases in the number of applications they have received.

Despite the fact that schools such as NAIT and Grant MacEwan Community College are restricted in the number of positions available to prospective students, applications to both have increased. NAIT annually accepts approximately 4,000 students, while over 7,000 prospective students applied this year, an increase of 400 from last year.

The number of applications to NAIT has escalated annually since 1974. Figures for this year reveal an increase of approximately 2,500 applicants over the 1974 number, a rise of about 50 per cent. Applications to Grant MacEwan, while not as

numerous, have also increased over the past few years.

Both institutions have plans for expansion of their present facilities in the hope of accommodating some of the overflow.

Alberta College has reported its first increase in enrollment in over four years, a jump in registrants of almost 15 per cent from last year.

However, enrollment at the University of Alberta is down by 7.4 per cent from 1976-77, with certain faculties showing a continuous drop in the number of students. The 1976-77 academic year saw the largest number of students enrolled at the U of A in the past decade. Since that time, faculties such as Education and Commerce have shown a continuous decline in the number of students they have enrolled. Education has dropped approximately 23 per cent over the

last three years, with a decrease of 11 per cent from last year's total. Business and Commerce has suffered a 3.4 percent decrease over the same period, and a drop of 7 per cent from the previous year's enrollment.

Also in a downward trend are Physical Education, a drop of nine percent from 1978-79, Graduate Studies, down four percent, as well as the Faculties of Arts, Engineering and Science.

Two faculties which have experienced increases in their enrollment are Home Economics and Faculte Saint-Jean, the latter showing a rise of 53 per cent over last year.

Although information released for October 1 is expected to change by the time revised estimates are available in December, December figures are usually lower, primarily because of student withdrawals and transfers.

National nuke demonstration

OTTAWA (CUP) - The first Canadian national demonstration against nuclear power will be held at Parliament Hill in Ottawa on Saturday, October 13.

The theme of the day is SOS - Stop Overseas Sales - the overseas sales of CANDU reactors and Canadian uranium.

Canada has already sold reactors to Argentina, India and Pakistan. The protestors feel, however, that too many moral and economical questions are

being left unanswered as negotiations for further deals continue.

A product of nuclear reactors, plutonium, may be used to produce nuclear weapons and the demonstrators are concerned that Canada may be drawing countries into the nuclear arms race.

Several countries have the intent to produce nuclear arms with waste material, causing some proponents of nuclear power to join with the protestors

to condemn overseas sales.

The people gathering in Ottawa intend to publicize less dangerous, less inflationary, higher job producing energy paths which they feel would be most beneficial to Canada as well as her prospective customers.

The demonstrators say they will not continue to support the nuclear industry with tax dollars.

In addition they reject the idea of aiding the economically ailing Canadian nuclear industry through the export of nuclear technology.

Commented a demonstration organizer: "The domestic market is decreasing, putting the nuclear industry in dire economic straits and forcing them to rely on exports to stay alive. We won't let them do it."

The Ottawa action is being organized by the SOS coalition, a network of groups from all over the country established specifically to co-ordinate a progression of national events. The coalition sees the demonstration as an opportunity to tie small anti-nuclear groups together to gain a strong national voice.

The protestors will demand a public rather than parliamentary inquiry into the nuclear issue.

Questions will be raised about plant safety, health hazards, and the disposal of radioactive wastes. "The Ottawa demonstration is the start of stopping things," said an SOS spokesperson.

Workin' the street

"Street Talk is a people's show; it gives the public a chance to respond to what they hear in the media."

So says Dawna Treibicz, the production co-ordinator of Columbia Television's national public affairs program, *Street Talk*. Treibicz and the program's crew are in Edmonton preparing for two days of taping in HUB Mall.

Hosted by Hamilton-based broadcaster John Michael, *Street Talk* is a half-hour program where people on the street are asked their opinions on various issues and concerns. According to Treibicz, the show will broaden its scope this year with the inclusion of special guests.

"Each show will be highlighted by the appearance of an articulate spokesperson or expert on the question being

dealt with," said Treibicz. "With a guest, Michael will act as more of a mediator."

The program has taped shows in Edmonton once before. Last year, the producers set up in Southgate Mall and found people reluctant to participate.

"We hope the university will prove a better place to attract people," says Treibicz. "The program gives students a rare chance to express their views on a national television program."

Street Talk is seen in several centers across Canada, including southern Ontario, the Atlantic region, southern Quebec, and most of Alberta.

Treibicz urges all students to come out and participate in the filming of the program. They will be taping on October 11 and 12 in HUB, from 10:30 a.m. to 5:00 p.m.

Cont. on p. 22

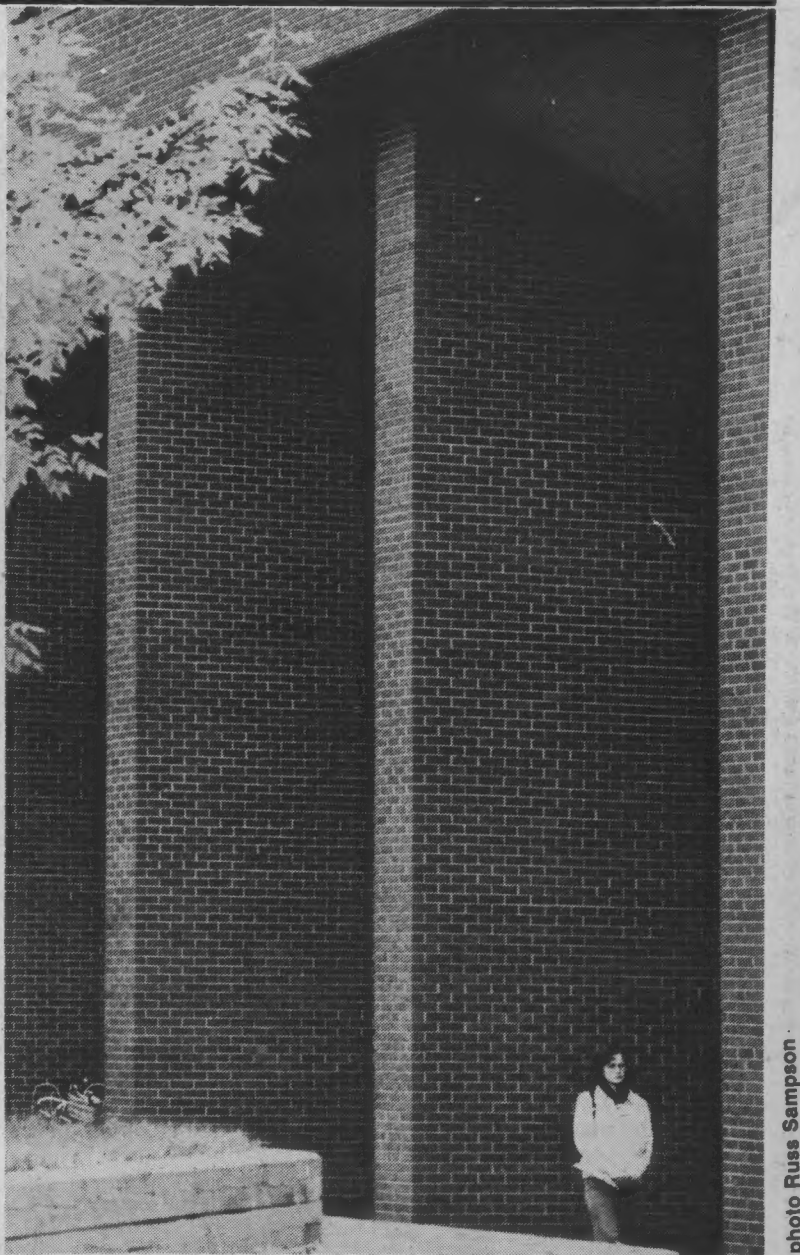


photo Russ Sampson

B of G undertakes investment review

by Debbie Jones

The Board of Governors finance committee is continuing a review of companies in which the university holds shares, the committee reported to the board during the B of G meeting Friday in Calgary.

The review, details of which will be presented to the board in January, is to determine if the companies in South Africa and other countries are in violation of the university's social responsibility policy.

Other business conducted during the monthly meeting of the board included reports from various committees and a discussion of the insufficient study space on campus, promoted by Students' Union president Dean Olmstead.

The building committee released an inventory of university properties for the board's information. According to the report, 326.54 acres outside Edmonton are owned by the board, and a further 8,233.84

acres are leased. Within the city, the board now holds 1124.93 acres. The inventory does not include properties purchased by the Board of Governors for investment purposes.

Approval was given on a recommendation from the Undergraduate Scholarship Committee to discontinue the Dr. F.P. Galbraith Memorial Award in Journalism. The award will be replaced by the Dr. F.B. Galbraith Matriculation Bursaries, effective next year.

The reason given for the discontinuation was the "significant decline in the number of applicants for the award over the last few years." The value of the annual award is \$5,500 plus tuition for a single person or \$8,000 plus tuition for a married person. The value of the bursaries will be \$8,000 per year.

The October meeting of the board was held in Calgary and followed a seminar there for several Alberta Boards of Governors held Thursday.

"Giveaway" gaffe upsets

In voicing his opposition to a report on the CTV program W5 U of A Students' Union president Dean Olmstead appears to agree with much of what has been said on the program by representatives of the National Union of Students.

Entitled "The Campus Giveaway", the feature suggested that Canadian students are being forced out of post-secondary education programs, such as engineering and medicine, by increasing numbers of foreign students.

U of A Students' Union president Dean Olmstead also voiced opposition to the program. "I was upset with the program," he said. "I'll be writing to the producer of the show to point out some of the inaccuracies."

"W5 based the program on emotionalism," said Olmstead. "They portrayed a woman who had not been able to get into pharmacy, which she said had been a lifetime dream, and she was saying it was because of all the foreign students in her class. I feel sorry for her, sure, but you can't base a whole program on an anecdote."

"They were using nonsense as statistics," Olmstead added. "They said 70 per cent of some faculties are made up of foreign students, and that was just some guy's impression from one of his classes."

The National Union of Students reacted strongly to the program. Parr, a NUS researcher felt that the statistics presented by W5 were selective

Cont. on p. 22



They're off and kicking! These Commerce students got a head start on Commerce Week Tuesday.

Photo Rick Lawrence

Nuclear nightmare

Watching the national news this weekend was an eerie experience. There on the screen were thousands of young people trying to break through a wire fence. Anonymous police guards were hosing them, and treating them to liberal doses of tear gas and mace. The protesting mob of youths replied with their only weapons: obscenities and shouts.

No, this wasn't a rerun of *The Fabulous Sixties*, but film footage from the weekend's anti-nuclear demonstration at the proposed Seabrook reactor site.

Clearly, the nuclear power issue has become the biggest issue in American confrontation politics since the Vietnam War. Anti-nuke groups are springing up all over the U.S.A. as well as in Canada and Europe. In fact, American anti-nuclear protestors are drawing much of their inspiration from similar groups in western Europe.

Of course, here in Alberta, hardly anyone cares that we are being steered into a global nuclear disaster, compliments of the large American power companies. As they did with the Vietnam War, politicians waffle, lie and avoid the central issue of the matter when it comes to discussing the proliferation of nuclear weapons and plants.

The media have reacted similarly. The story *The Journal* ran on September 26 concerning the xenon gas "burp" at a nuclear plant in Richmond included the following quotation from W.L. Profitt (what a suitable name!), senior vice-president of Virginia Electric and Power Company (Vepco):

"It wasn't a leak, it was more like a burp."

The UPI story went on to state that "Xenon is a noble gas, which means it doesn't break down and mix with other gasses, and is relatively harmless except for its radioactivity."

My God! What does that mean? Relatively harmless? Except for its radioactivity? What does the writer of this story think is the issue built around nuclear power? Naturally, no attempt is made to explain what relatively harmless means, what xenon is, or how "harmless" mere radioactivity is.

It's not hard to identify the villains in the nuclear issue. Vepco officials "did not announce the accident publicly ... until about ten hours after the first warning because they said they saw no sense of urgency in the situation and wanted to make sure their statements were accurate," says the *Journal* story. Obviously, the safety of the public comes second to the good name and reputation of the companies that are running the show.

In the next few months, *The Gateway* will be running a series of features dealing with the proliferation and dangers of nuclear energy. We hope to focus on what's happening in Canada, and, as much as possible, localize all material that we feature.

In this issue, general topics are examined, and in all fairness to the people that support nuclear energy, a pro-nuclear story by John Savard.

If there is anything the "me first" generation of students should concern itself with, it's nuclear energy. Plants are springing up like weeds in Ontario and other provinces, as Canada quietly follows the example of its suicidal neighbor to the south. We hope that our paper's contribution to the proliferation of *knowledge* will awaken at least some students to a pressing and complex issue.

Gordon Turtle

the Gateway

If it happens on campus...it's news to us.

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Scrip skyrockets!

LONDON (CUP) — A grim economic outlook looms over the world as the value of scrip skyrocketed on international money markets for the fourth straight day. Today it closed at an unprecedented 2.7567 American. Meanwhile the price of gold plummeted as investors turn to scrip as an alternate hedge against inflation. Some dealers fear scrip may reach \$6.00 by week end and thus doing irreparable damage to many foreign economies. Prominent economists predict that if scrip hits \$7.50 it will drastically upset the national balance of payments. The French Government said if their currency goes below .1900 FF/\$ they will ask Gail Brown to introduce John Maynard Keynes' economic model called episcrptic budgeting.

The causes of this dramatic economic spectacle are not fully understood. However, economic czars around the world agree it is, at least partially, linked to high food prices at University outlets. The fact that food prices will only increase provides investors with a truly concrete security, i.e. scrip. The fact that investors are placing their faith in scrip is, however, in no way a reflection of food quality at these outlets. The food merely represents a pseudo-monetary sink.

While the causes are still relatively unclear, the effects are beginning to show. Arab countries are demanding to be paid in scrip in return for their oil. Swiss banks are giving out interest only on Swiss Francs and Scrip. The Dow Jones Industrial Index appears to be headed for a 1929 replay. Perhaps the worst is here at the University of Alberta where widespread famine is breaking out in the student residences. This is because profiteering scrip-hoarders are sucking

campus dry, not leaving enough for students.

To seek a solution to the crises an international summit will be held in RATT this coming Monday. Among those present will be all heads of state from the leading industrial nations as well as Gail Brown, who will be chairing the conference. Rumours have it that she was hired by the same scrip-consultant to advise her. The only difference this time is that the consultant is asking to be paid in \$10,000 worth of Scrip.

which will give rise to stomach cancer. They concluded that these carcinogens are transmitted from campus food into cardboard. They also concluded that Gail Brown could not possibly survive on this scrip oriented system.

HONG KONG (CUP) - Havoc has struck the Far East as scrip prices have overpopulated the national currency. Chinese investors have gone through great extents to obtain this valuable commodity. Enterprising investors have been smuggling scrip instead of narcotics. Scrip has the dual advantage that it gets you high in two ways; smoke it or hoard it.

The scrip crises has caused political and civilian disruptions in the Far East. For example people in Nam (remember Viet-Nam) are abandoning their monetarily disrupted political system in search of scrip disguised as Boat People. Some economists view this as an underground plot by a coalition of Russians, Pre-Meds, and other left-wing activists to disrupt world economic stability.

Foreign exchange for the past four days; nominal selling rates at 11 a.m. each day (EDT). Quotations in terms of American funds.

Currency	Monday	Tuesday	Wednesday	Thursday
Australian Dollar	1.5014	1.3900	1.3628	1.0926
Canadian Dollar	.8557	.7836	.7231	.6533
French Franc	.3200	.3021	.2842	.2275
German Mark	.7713	.7345	.6843	.5998
Kuwait Dinar	4.9375	4.5629	4.1098	3.8056
Mexican Peso	.0596	.0403	.01279	.0067
Swiss Franc	.8584	.8108	.78497	.7090
USSR Ruble	1.9971	1.9971	\$.997\$	1.9971
SCRIP	1.2271	1.6745	2.3456	2.7567

Difficulties for deaf student

I've never liked saying goodbye to summer. And, like the majority of students on campus, I get less than overjoyed returning to classes in September. It's the thought of exams, term papers, and premonitions of what is to come which leaves me less than enthusiastic. Such emotions are common to the majority, but my heightened anxiety results from being among the minority at the U of A. It has everything to do with the fact that I'm deaf. And I like being independent, and interdependent suits me just fine too. But the times when I must call on instructors and fellow students for help set my heart to thumping with anticipation and fear.

The anticipation of forming new friendships has always existed. But the fear crept in soon after. I find it difficult to accept all the rejections and excuses I've heard with regard to receiving some help with notes. And I can't help but wonder

why, after three years on this campus, fellow students from my own faculty cheerfully pass me by in class, leaving me to prompt and persuade. Just once, I'd be ecstatic to have someone volunteer to give me a hand. Someone who comes to class regularly, willing to sit in the same place everytime, and, most importantly, a person with notes that are legible and make sense. Maybe then I could make a more earnest effort at my studies, instead of coming to each class with the usual reluctance and

dread. Because just like you, I am here to learn. I want to be able to support myself, to the best of my ability, and do what I can to make the world a better place. I don't want to collect disability grants just because I happen to live in a hearing world. I deserve an equal opportunity to learn. Am I asking too much? I don't think so, but then my expectations and goals have never been low.

Gail Aabak
Recreation IV

Chilean confusion

I would like to clear up any confusion that may have been left by Lake Sagaris' letter which appeared in the 27 September 1979 issue of *The Gateway* about her upcoming trip to Chile.

Although the title "Executive Officer, Federation of Alberta Students" appeared under Ms. Sagaris' name, she had not signed the letter in that way, as her trip to Chile has been

neither financed nor endorsed by the FAS executive.

She was granted two weeks leave of absence without pay by the FAS executive, but she is going at the request and expense of the Edmonton Chilean community.

Tema Frank
Executive Member
Federation of Alberta Students

Reader Comment

by Ronnie Corbett

Quixote's constant critic, the whining and gibbering Charles Farley has been an enigma to me. At first, I was of the opinion that anyone who could label another a "Marxist bigot," a "bleeding heart liberal" and a "leftist pseudo-environmentalist moralizer" in the course of two letters, must be either non-existent (physically I mean, his mental existence has always been open to question), or a practical joker. Secondly however, the thought occurred to me that his actual existence is immaterial. If there was no Charles Farley, as a latter-day Voltaire might have said, then it would be necessary to invent one.

After this week's (relatively tame) epistle concerning *Quixote's* quote "gross factual errors," I deemed it an opportune time to respond. It is worth noting, comrades, that in all the correspondence addressed to the column, one, yes, just one has referred to a factual error. Nevertheless, in order to show my

lack of malice and as a special tribute to Charles, whose deft name and unquestioning wisdom remind one of a young Joe Clark, I offer you *my* thoughts on how to run this University.

1. Depose Sheik Lougheed. This parasite of the toilers has leered at us malevolently from over the river too long. This act would also serve as the signal for an invasion of Saskatchewan socialist mobsters from the east.

2. Abolish Professors. Who do these self-righteous overpaid demi-gods think they are anyway? Half of them fall asleep in class and the other half spend all their time huddled into corners of murky libraries, perusing fragmentary tomes on Frisian aphrodisiacs.

3. Blow up the Faculty of Engineering, rebuild it and fill it up with Boat People.

4. Remove all middle-of-the-road wishy washy trash from the SUB Bookstore. The future store would then consist of a single section; anarcho -

syndicalist - progressive - marxist - leninist - stalinist - feminist - radical - Bolshevik thought. In addition, all customers would be required to read at least one paragraph of Chairman Mao's *I Married a Leper* (Peking: Posthumour 1979).

5. Remove mindless disco music and dancing from the vicinity of the campus in view of its tendency to induce either epileptic fits or soporific comas. Students would be compelled to pogo three times a day to one of the following:
 - i) Johnny and the Self-Abusers
 - ii) Joe Cocker and the Four Skin Brothers
 - iii) Ted Turd and the Tuned-Up Toilets
6. Evict the Aggies and collectivize the Agriculture Faculty.

7. All power would be handed over to an annual convocation of the Faculties of Arts and Social Sciences. Day to day decisions however would be in the hands of an All-Peoples' Politburo of

Transvestites and Homosexuals, run by a General Secretary who should be either a confirmed pervert or an Alcoholic.

8. These meetings will elect hit-squads which will be empowered to eliminate all bourgeois nationalist degenerated lurking around Java-Jive.

So you were right after all Charles.

The *Gateway* editorial staff really have appointed a dangerous subversive. You should therefore be encouraged to continue your sleuth-like quest for a weekly column of pea-brain thought. Work hard, do not think for yourself, honour the government in word and deed, sing *O Canada* at breakfast and supper, and above all, be apathetic. Only by being apathetic can you hope to pass your exams and go on to greater things. Perhaps even you, Charles, might get the chance to sit in 24 Sussex Drive and do nothing all day. It would be a fitting reward for all your labors.

Phony bridgework

I would like to point out an error which appeared on the front page of the Thursday October 4 issue of the *Gateway*.

The article in question is a short story by the *Gateway* news staff with regards to the latest newsletter on campus, *The Bridge*. This publication is for students in the faculty of engineering and is intended to appeal to all six disciplines of engineering students.

However, I wish to go on record as denying the statement "I wanted to provide a paper for the little man... the engineers." This does not appear anywhere in the first issue of *The Bridge*, and is not an opinion held by myself or any other member of *The Bridge* staff.

I trust the *Gateway* will be a little more careful in ascribing remarks to persons in such a manner in the future. Misquotation is not a funny matter... particularly when three "little", like Little John was little, fourth-year civils object to my alleged choice of words.

Ken Lawson-Williams
Bridge Editor

Marxist barbarians

I am writing to address the members of the revolutionary marxists eluded (sic) to in a previous issue of the *Gateway*, within a political summary (sic). I suggest comrades that one of your tools for change is primitive (sic) and barbaric. I believe that revolution within a framework of violence is outdated. I do agree that the only constant thing about mankind is change. In today's world I believe the most effective means of change is by election within a parliamentary system. A system, which I suggest utilizes a much greater variety of expertise and human resources in key decision making, compared with the previous examples of totalitarian regimes which have historically transpired through violent marxist revolutions.

In summary (sic), I do not dispute a mandate for change, since change is inevitable. But I believe a better method for utilizing previous individual human resources is the parliamentary system. It's just my opinion.

Konrad Kuzminski
Pharmacy 4

Quixote

by David Marples



Mike Walker's guide to campus politics was a welcome, but somewhat misleading explanation of the current outlook of Alberta's students. Both communist parties and the Revolutionary Workers League are examined in some detail, whilst the PCs received a space allocation befitting a virtual unknown at the foot of the page. Admittedly, the CP and CPC campaign openly on campus, but how much support do they actually have amongst the student population? I would venture to say very little indeed. Student support for these parties has experienced a gradual decline.

On the other hand, the recent election results indicate strong student backing for the ruling PCs. A conservative student outlook is not however applicable to the University of Alberta in isolation. The swing towards conservatism is not merely a campus, provincial or even national, but rather a worldwide trend, which has recently encompassed many of the English-speaking nations. For example, in Australia and Britain, ruling Labor governments have been thrown out of office and replaced by rigid Conservative regimes. Joe Clark's government is likely to be much more moderate, but is still illustrative of this tendency.

Moreover, radical student protest on a large scale appears to be something of the past. One reads of the anti-Vietnam protests and the shooting of four Kent State University students in 1970, of students manning barricades in Paris in 1968. Such events are likely to be remembered as part of a unique era; the period of the Vietnam War, which acted as the catalyst and motivating force of many student demonstrations and compelled students to take an active

interest in the events taking place at the other side of the world.

The decline of radical student politics can however be attributed to a second factor, namely the lack of exemplary "model" states on which to base an ideology. Mr. Walker's guide reveals that the CP still doggedly follows the Soviet Union, while the CPC, in its efforts to venerate Stalin, has been reduced to idealizing Albania as the only available model. The Soviet invasion of Czechoslovakia in 1968 and the subsequent infringements on human rights in that country and in the Soviet Union, have made a farce of Soviet pretensions to being a socialist state. Students are justifiably reluctant to support parties which back such violent and intolerant regimes.

Perhaps more than ever before, politics are dominated by the two super-powers, U.S.A. and the U.S.S.R., who are waging a war of attrition in virtually every major trouble-spot of the world, including Africa, the Middle East and South-east Asia. The tendency is for smaller nations to join one side or the other, with a struggle to obtain the support of waverers on the part of the two powers. In such circumstances, there is small wonder that the prevalent political climate on the campuses of Canada is either one of disillusionment or disinterest, with a feeling of irrelevance to the world situation.

Yet despite the swing to the right in provincial and federal politics and the monopolization of power by the U.S.A. and U.S.S.R., the present is an important time for the student voice to be heard. This is particularly the case in Alberta, where oil resources ensure a prominent role in the future of Canada. Unfortunately our priorities have become twisted to the extent that Ontario is said to present a greater threat to Alberta's oil reserves than do the giant private oil companies based in the United States.

My contention is that student politics can be centered on Canada and still be as effective as those of a decade ago were against the Vietnam War. There is a need, for example, to protect Petro-Can, to protect Medicare, one of the most advanced health systems in the world and perhaps, above all, to endeavor to make Canada independent of outside influences. It is not necessary to identify with East European states in order to achieve this. One need only look to the true interests of Canada and the Canadian people. The role of Albertan students in the future of Canada could be by no means insignificant.



FRANCIS FORD COPPOLA
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Restricted Adult

Canadians study Canadians

by Julie Green

Canadians may not be as boring as you think. And the Canadian Studies program at the U of A is trying to prove it.

The Canadian Studies program was established as a multidisciplinary degree program in the Faculty of Arts. This four-year program provides a starting point for second degrees such as education and law, as well as being a springboard for careers in journalism and the civil service.

The original program was revised this year to focus on a core of interdisciplinary studies rather than individual departmental offerings. Canadian Studies 301, a full-year course, concentrates on regional perspectives in Canadian intellectual development. An interdisciplinary seminar course, Canadian Studies 400, is also mandatory.

During the four years of study, students take 20 courses, eight of which must be specifically Canadian in focus. One course in each of French, English, Science and Fine Arts is compulsory, as well as a further three courses in the social sciences or humanities. A single, combined, or special arrangement of majors are available.

Next September, a third interdisciplinary course will be introduced. Canadian Studies 300 will focus on the politics of the arts in Canada, particularly emphasizing public and private art organizations.

Canadian Studies interdisciplinary courses are open to all students with the necessary prerequisites, although the consent of the Canadian Studies Committee is needed. There are

now 40 students enrolled in the program.

The Canadian Studies Committee is an institutional member of the national Association of Canadian Studies (ACS). Founded at Queens University in 1972, the ACS promotes and improves Canadian Studies both at home and abroad.

The Canadian Studies Committee at the U of A has recently appointed a new chairman. Dr. Henry Kreisel from the Department of Comparative Literature began his three-year term July 1. He replaces Dr. P. Robberecht. The Canadian Studies office is now located on the sixth floor of the Humanities Building.

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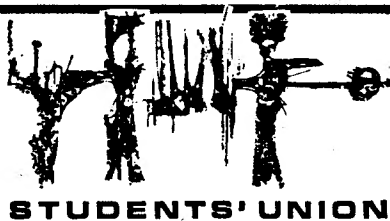
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Notice: S.U. BY-ELECTION

The S.U. By-Election, which was originally scheduled for Friday, October 12th, has been tentatively postponed until Friday, October 19th.



Notice: S.U. BY-ELECTION

Nominations have been re-opened for the following positions:

STUDENTS' COUNCIL

1 Dentistry Representative

(Please contact the SU Returning Office, 271 SUB, or the SU Executive Offices, 259 SUB, for further information.)

1 Law Representative

(Please contact the Law Club or the SU as above, for further information)

UAB

1 VP Men's Athletics

GENERAL FACULTIES COUNCIL

4 Education representatives

Other students-at-large

SCIENCE FACULTY COUNCIL

12 Science representatives

For further information, contact the Returning Office, (271 SUB), or the SU Executive Offices, (259 SUB).

Nominations close
5 p.m. Oct. 11th

Truckin' into SUB

Wednesday
Wednesday

We've put a man on the moon, but a Mack truck in SUB Theatre?

Well that may be just what you'll see when Tarragon Theatre cruises in on the 11 and 12 with their truckin' musical comedy, 18 Wheels.

Tarragon Theatre is nearing the end of a seven week tour which has taken them to many communities in Ontario, Manitoba, Saskatchewan, and now Alberta. It is the first tour undertaken by this Toronto theater group which was founded in 1970 for the advancement of new Canadian plays.

18 Wheels unfolds against the vast backdrop of Canada. It's a high-spirited show that takes the audience on a lively jaunt through the world of long-distance truckers, CB's and country music. The play stars Terry Harford, Jessie Thompson and Ian Gillespie; is directed by Timothy Bond and features three musicians.

18 Wheels was written a few years ago by Vancouver playwright John Gray who decided to provide what he saw as this country's need for a "good cheap Canadian musical." Since then, his play has earned great reviews in the Vancouver and eastern press, as well as the necessary \$30,000 from Canada Council which makes the current tour possible.

You want a chance to wear your shit-kickers and Shell Oil hats? If so, 18 Wheels gives you the opportunity this Thursday and Saturday at 8:30 p.m.



Terry Harford, Jessie Thompson and Mack from the play 18 Wheels.

CINEMA

Edmonton Public Library, 7 Sir Winston Churchill Square

Oct. 13-14, 2 p.m., *The Quiet Man*. This is the last film in the series, "John Wayne in the Movies." Very different from most Wayne films, it tells the story of a boxer who returns to live in his native Ireland, where he meets and pursues a girl he has fallen in love with. The film co-stars Maureen O'Hara and is directed by John Ford.

SUB Theatre

Oct. 14, *Top Hat*.

Oct. 17, *The Day of the Jackal*.

Oct. 18, *Zabriskie Point*.

THEATER

Walterdale Theatre, 462-0721

Oct. 9-20, 8 p.m. Walterdale's first production is *The Prime of Miss Jean Brodie*. Jean Brodie is the teacher who has gathered about her a knot of favored pupils, much to the wrath of the headmistress of the school, Miss MacKay. Miss Brodie's career unfolds against a background of her dedication to the rising Fascism in Italy, and her sexually charged conflict with the art master. Season tickets are now on sale at the ticket sales outlet of the Bay's downtown store. Ticket prices this year are: \$3.50 for Monday, Tuesday and Wednesday, and \$4 for Thursday, Friday and Saturday performances. Children's prices are \$2.

Catalyst Theatre Society, 433-1634

Oct. 5-18, *On And Off The Street*. This is an original play about a juvenile who is in trouble with the law. The play is showing at Theatre Three, 10426-95 St., 426-6870. Tickets are available at The Bay, SU Box Office, and Theatre Three.

SUB Theatre

Oct. 11, 13, 8:30 p.m. Tarragon Theatre hits the road with *18 Wheels*, a truckin' musical. Tickets are \$5 at all BASS outlets.

MUSIC

Jubilee Auditorium

Oct. 12-13, 7:30 p.m. The ESO's Master Series 2 begins the 1979-80 season with Edmonton pianist John Hendrickson. Guest conductor Farhad Mechkat will guide the orchestra through works by Saint-Saens and Tchaikovsky. Tickets are by subscription or at single ticket prices which are \$6, \$8, \$10 and \$12.

SUB Theatre

Oct. 10, 8 p.m., The Edmonton Chamber Music Society begins its 1979-80 season by presenting The Dalart Trio. The trio was formed in 1976 by violinist Philippe Djokic, cellist William Valteau, and pianist William Fritt, all performing faculty members of the music department at Dalhousie University. They will be playing Beethoven's "Kakuda" Variations; "Metamorphoses" by the Canadian composer Clifford Ford; Shostakovich second trio and the Mendelssohn Trio No. 2 in C Minor. Admission to the concert is by season membership in the Society. Tickets for the six Wednesday concerts are \$25, with a special \$12 rate for full time students and senior citizens. They can be purchased at SU Box Office, at Canadiana Gifts and at the door.

Espace Tournesol, 11845-77 St., 471-5235

Oct. 14, 7:30 p.m. Two internationally acclaimed musicians, Pranesh Khan and Ashish Khan, will be giving a concert of original improvised music of India. Both are nephews of Ravi Shankar and both are master musicians in their own right. Pranesh plays tabla and Ashish the sarod. They have toured and performed extensively with Indian musicians as well as with artists like Alice Coltrane, Charles Lloyd, George Harrison and Eric Clapton. Tickets are \$4 at the door and reservations can be made by calling 471-5235.

Orange Hall, 104 St., 84 Ave.

Oct. 13, doors open at 7:15 p.m. Two of Alberta's more talented folk musicians are playing at the hall this weekend. Sweetgrass is a duo that can do it all; cajun, celtic or good old country blues. Also appearing will be the fine traditional singer Paddy Tutty, accompanying herself as usual on guitar and dulcimer. For ticket information, phone 475-1042 or 475-2260.

GALLERIES

Students' Union Art Gallery

Oct. 3-15, 11 a.m. - 5 p.m. weekdays, 1 p.m. - 5 p.m. weekends. Jim Davies and Doug Dunford, two graduates of the university's MVA program, are exhibiting their paintings.

OTHER EVENTS

Woodcroft Library, 13420-114 Ave.

Oct. 15, 7:30 p.m. A "Writer's Series" will be held every second Monday of the month from this date. Each session will feature readings by two Alberta authors, followed by an "open reading" for participants to read their own poetry, fiction, non-fiction or work of their favorite author. The readings are organized to provide an opportunity for people to hear an author's interpretation of a writing, as well as to meet and talk informally with writers and other people of a common interest. Authors featured will include Tom Wayman, Sharon Riis, Bill Kinsella, Ted Blodgett, Aritha Van Herk, Stephen Scobie and Doug Barbour. For more information call 455-4559 or 454-7781.

U of A artists rest

Art review by Michaleen Marte-Elabdi

The art of two young men is now on exhibit in the Students' Union Art Gallery. The work shown has been completed towards receiving a Master of Visual Arts Degree from the University of Alberta. Both Jim Davies and Doug Dunford can now rest a little easier and contemplate the products of a past year's work.



Jim Davies' Nightfall

It is interesting to note that both of the artists have followed a similar pattern in their academic training. The two originate from Ontario and both graduated with a Bachelor of Arts from the University of Guelph in 1977. After that Davis and Dunford moved to Edmonton to live and complete a Master's program in visual art. The current exhibition displays the outcome of this latest accomplishment.

This is not the first public exhibition for either artist. Between them they have been included in many group exhibitions in Guelph, Brantford, Kitchener-Waterloo, Calgary and here in Edmonton at Latitude 53. As well as being honored by public display, both have several awards to their credit, particularly Davies who has received many in his young career.

The show conveys the direction of two individuals in their art and certainly must be regarded as so. Basically Dunford's mode may be described as expressionistic color-field painting. He paints in acrylic with colors that are profuse, clashing and rather violent. They are nearly paint-tube pure - hardly altered at times by the artist's brush. In the tradition of the Fauvists Dunford uses color as a basic code to explain man's emotional state.

Dunford invariably allows his works to become figurative. In each painting a pair of human heads emerge. Dunford provides many curious titles so that we might try to interpret the relationship between these mysterious talking heads: "Smiles and Chuckles", "Power Failure the Manic Depressive", "Jello Eaters". My favorite of the collection is "Cicada - A Midsummer's Daydream". Here the figures are very distinctive, one man is listening to another man's memory by way of a wisp of letters travelling from ear to ear.

Davies' work offers some more varied experiments in style, form and media. Like Dunford, Davies chooses to break up figure and ground into simple forms. Yet Davies is clearly a figurative painter

who seems to prefer more controlled, cool, color planes to describe people and their situation. In his own words Davies defines the purpose of this art:

"My intention, in part, is to attempt to give specific shape and form to my questions concerning personal religious as well as social problems. Spiritually I am triggered by things observed, read and felt."

Davies is a private painter who likes to combine the use of both personal and traditional symbols in his work. "The Day is Coming" is a personal favorite of the artist and stands as a fascinating image to others.

The artist seems to be in it, perhaps consulting with his mentor who advises him of what is yet to come in life.

One can't help but sense expressions of suffering, detachment and fear in many of his works. The suffering of man compared with the traditional figure of Christ is present within such works as "Imprisonment" and "Salvator Monday". The detachment and misery of the common man, the refugee, the disabled is apparent in "Expulsion", "Friends" and "On the Beach". "Nightfall" and "From the Darkness Into Light" could be viewed as Part I and Part II of a continuing cycle of fear.

Yet, there is some strange frivolity to be found. Some examples of these are "The Money Lenders", "Eclipse" and the rather absurd "He is Not Kicking".

These add some humor and lightness to a collection that is quite grave in spirit. Davies should laugh a little and spread some of his good humor around in what is otherwise a captivating collection.

The exhibition opened last Tuesday night to what I hope to be a successful ten day run. Opening night was a pleasant one with the exception of a certain group of "high brow people of the arts". Judging from their behavior, it seems that many of the people who attend such openings are more concerned with the free wine and food, and having the opportunity to perform their own stunts, rather than taking notice of the real attraction. Obviously the Engineers are not the only faculty who are capable of doing certain acts that are



Doug Dunford's Cicada: A Midsummer's Daydream

tasteless and infantile. Fine Arts is not immune to this. I'm quite sure that these people are as much a hazard to an opening night as firecrackers are inside an art gallery. Their performance was not clever or amusing or even in the least "artistic."

Russell's girls are outrageous

Concert review by Michaleen Marte-Elabdi

Girls, Girls, Girls ... Count 'em! Can you? I simply can't! Craig Russell is just too much honey.

This man came to SUB Theatre and astounded the audience with his bevy of beautiful girls. Old sweethearts like Carol Channing, new stars like the divine Ms. M. (Bette Midler), unforgettable personalities like Sophy Tucker and legendary survivors like Marlene Dietrich. These ladies did not surround Russell on the stage. Rather, with ingenious skill and imagination, he became each one of them.

Russell was assisted only by a small group of musicians from the Edmonton Symphony Orchestra. The musicians were led by his own director Paul Hossert (who was involved with the film score for *Outrageous*). The marvelous wigs and costumes were

made and fitted, I might add, by Russell's costume specialist.

At the show none of us received a program. The reason for this became clear as the show progressed. Russell wanted the audience to remain in complete suspense as to what lady would appear next. And it was effective. Right from the first strains of Aretha Franklin's theme song, Russell showed us what it was like to feel like a "um, natural person."

Bubbly, precocious Carol Channing greeted us first with "Hello Dolly." Included in the song was a part for good old Edmonton. She exchanged verses with the great Satchmo — Louis Armstrong, who seemed strangely at home in the old girl's throat.

From this began an extraordinary excursion through the hearts and lives of Russell's Ladies. The number of personalities was endless, and the highlights were truly memorable. There was the halted, soft, accented voice of Marlene Dietrich who moved like a mechanical doll and reminisced about the war years.

There was voluptuous Mae West singing a raunchy version of "Franky and Johnny." There was the charming but cutting Betty Davis worrying about how she would be remembered against the competition of Joan Crawford. Flippant Tallulah Bankhead cracked cocktail jokes. The "sleaze with ease," "trash with flash" Bette Midler strutted the stage. There was Ella with Satchmo again. Billy Holiday sang under a hazy blue light. Dramatic Judy Garland sang "Over the Rainbow Once Again." Janis Joplin screamed "Piece of My Heart" one last time.

My favorite of the evening was the unforgettable Peggy Lee. Russell reproduced her warm, tremulous voice and made her float with "Fever." Lee kept up a dubious discussion between songs and ended with a candid and hilarious rendition of "Is That All There Is?"

Russell's show was pure non-stop entertainment. Even between costume changes he sang and talked to the audience. It was evident that Russell had attracted a following of people who were familiar with his many clever and lewd lines, and who waited in great anticipation for their favorite lady to appear.

And there were surprises. The biggest was Anita Bryant who attempted to get the crowd to sing the hymn "Glory Halleluah" with her. After she failed to get "support" she pleaded that she didn't hate "queers," because she confessed, who else would do her hair.

Russell was brought back three times for an encore. At first he was Liza Minelli, then Shirley Bassey and lastly he was himself, singing the theme song from "Outrageous," the movie that brought him his first fame. After such a great movie and a fantastic theatre performance, Russell has proved that "feeling so gay" and being Canadian are not drawbacks for an extraordinary talent.



photo Brad Keith

Hey big engineer, is that a calculator in your pocket or...



The divine Ms. M bares more than her soul as she slides her sleazy way across the stage.



photo Rick Lawrence

Judy Garland may be gone, but she's not over the rainbow.



photo Rick Lawrence

Peggy Lee asks if that's all there is.



photo Rick Lawrence

Has Carol Channing got something caught in her throat?

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Catalyst looks at delinquency

Theatre review by Shawna Vogel

The Catalyst Theatre Society is a unique group that uses theater for public education and as a "catalyst" for social action. Its actors research and write programs in response to requests from organizations such as the Edmonton Social Planning Council and the Alberta Alcoholism and Drug Abuse Commission. The programs present unanswered problems to the audience. This encourages, between the audience and cast, an open discussion which takes place after each Catalyst play.

On and Off the Street is the Catalyst Theatre's recent production now playing at Theatre 3. It deals with juvenile delinquency and its related causes and problems. This play is not an attempt to make the world look pretty, nor does it present a final solution. It does raise important issues which the public must be aware of and must react to.

The central character is Tom Barnes, played by David Mann. Barnes is the pivotal character; around him the play deals with peer groups, the Law, social workers and the family. It is difficult to avoid stereotypes when portraying teenage gangs, social workers and middle aged parents, but what prevents *On and Off the Street* from becoming an unrealistic soap story is the sincerity of the actors. Although it took five to ten minutes for them to warm up at the beginning of the show, all the actors attempted to portray the characters as real people; not merely cardboard cut outs.

David Mann gives depth to his character of fifteen year old Tom Barnes. Barnes is not a typical teenage hoodlum always causing trouble, nor is he a misguided youth: a victim of his environment. He is a person responsible for his actions but affected by outside pressures.

Many of the actors have multiple roles. Lorraine Behnan plays a juvenile, a social worker and a 7-11 cashier. Her juvenile character Shelley is a teenager living on the streets, making money by prostitution. Shelley is portrayed as a tough, hurt and lost girl. Some of the nicest moments in the play are between Shelley and Tom.

Paul Whitney plays a juvenile, a fellow worker of Tom's father and a judge. Whitney easily handles the age difference between the characters. As the worker, he is one of the potential positive influences on Tom.

Wendell Smith shows great versatility as a pimp, a



photo Jennie Wojcicki

blind man, a rock concert promoter and as Tom's father.

The weakest performance is that given by Sandra Balcovske who plays a juvenile and Tom's mother. Her character as a juvenile is stereotyped, and as the mother, she occasionally has difficulty convincing us she is middle-aged.

The set is simple and functional. It is usually a street scene, but with minor additions of boxes or stools it becomes a concert stage, courtroom and house. The audience had no more difficulty accepting the changes in locale than they did the character changes.

Technically, the show is tight. Scene and costume changes are quick; light and sound cues are on time and well done. What impressed me most is the careful control of the pace and tone. Each moment is carefully structured, whether it be humorous, tense or tender.

An integral part of the show is the punk rock band called Accident. Their songs are carefully chosen to provide a musical link for continuity and to re-inforce the meaning of the particular moments. Their music works! Although the band is always onstage, their presence is not always obvious. They correctly remain in the background when not playing. An entertaining

part of the show is a punk rock concert segment in which the band sings "Monster of Love."

Although I was apprehensive, the after-the-play panel discussion was successful. Members of the audience asked the characters about their motives and solutions. The discussion was highly charged with audience members responding, exuberantly, to the characters and to each other.

On and Off the Street is full of humorous moments but its message is clear. Juvenile delinquency is a problem that has to be solved by increased awareness and thought, and not by laying blame carelessly.

Do it for money

"Do It As You Like It," has been adopted as the slogan for the thirteenth Annual Playwriting Competition sponsored by Alberta Culture. Albertans with playwriting talents are asked to do it and enter their manuscript.

Two new categories in the competition are: One Act Comedies, suitable for community theatre production, and Adolescence, a broad category which would allow the exploration of such areas as adolescent characters, historical perspective or contemporary issues.

The very successful Teleplay category co-sponsored by ACCESS, will be repeated this year. It is designed to meet the need for television script writers. It offers a first prize of \$1,200, with the winning teleplay to be produced and distributed by ACCESS. "Even individuals who did not win prizes in this category last year, found that the notoriety the contemplate focused on their work has made it easier to become involved in other productions," says Gordon Gordey, Drama Consultant with the Performing Arts Branch.

High school teachers are encouraged to continue promoting student participation in the Competition as a means to improve basic writing skills and comprehension. Deadline for entries is February 15, 1980. For applications write: Alberta Culture, Performing Arts Branch, Playwriting Competitions, 11th Floor, CN Tower, 10004-104 Avenue, Edmonton, Alberta, T5J 0K5.

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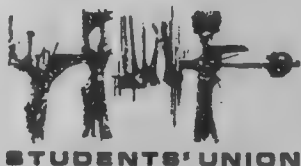


Dr. Balamuralikrishna and his troupe as they performed classical Indian music last Sunday at the Edmonton Public Library.

photo Beno John

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SUB THEATRE



The power and the glory: the

by
Anna Gyorgy

In the heat of discovery and development of nuclear power during World War II, little thought was given to the final disposal of wastes. Scientists assumed that, like many new problems confronted during that time, waste disposal would also be solved. But it remains the Achilles heel of the nuclear industry.

Radioactive wastes are the dangerous end of the fuel cycle. They are toxic, poisonous. If released into the environment, they contaminate land and water, virtually forever.

At present there is no agreed-upon safe way to isolate radioactive materials from the environment for thousands of years, a time span longer than human civilization has been on earth. In fact, nuclear storage facilities have had a hard time protecting wastes for even a decade.

There are three categories of nuclear wastes, as well as the mining wastes (tailings).

Low-level waste

The Environmental Protection Agency (EPA) has estimated that by the year 2000, federal and commercial nuclear power together might generate up to 400 million cubic feet of low-level waste. These wastes include anything that has picked up radiation during any part of the fuel cycle. Also included are medical wastes contaminated by hospital use of radiation, as well as tools used in mining and gloves and uniforms of workers in enrichment and reprocessing plants. Another low-level waste is the radioactive plant cooling water. Highly contaminated cooling water is removed from the core, allowed to cool and evaporate while short-lived radioactive by-products decay, and then mixed with cement and solidified in barrels. The barrels are buried as low-level waste.

Low-level wastes have historically been handled with some abandon. Between 1946 and 1962, 47,500 55-gallon drums of radioactive waste from atomic weapons and research were dumped into the ocean near the Farallones Islands 35 miles west of San Francisco. An EPA oceanographer estimated that "about 25% of the barrels have broken open and that low levels of radioactive waste had leaked out in an area where fish such as the deep sea sole and the commercially important sable fish were observed." However, only a few of the 28,800 barrels dumped into the Atlantic Ocean near the Maryland-Delaware border were found broken open. The two dumping areas were licensed by the AEC for low-level waste disposal from 1946 until 1970.

There was also casual dumping of radioactive tools near a mining and milling operation in Beatty, Nevada, exposing people unnecessarily to radiation. People had entered the poorly guarded dumping reservation and made off with seemingly new, abandoned tools. Several house foundations were poured using a radioactive cement mixer taken from the dumping area.

There are six major commercial burial sites for low-level nuclear waste. One of these, the West Valley site, was closed in 1975 when it was finally revealed that the burial trenches were leaching into the nearby creeks that feed Lake Erie.

Similar leaching of radioactivity from trenches where barrels, boxes, and canisters full of waste are buried has been discovered at Maxey Flats near the Morehead, Kentucky, disposal area. In the fall of 1977 the facility was closed because of the leaks, including one that was reportedly fourteen years old.

This feature is the first in a series of articles The Gateway will be running this year dealing with nuclear energy.

The first article, originally entitled "Nuclear Waste Storage: Where Will All the Garbage Go?", first appeared in New Age magazine. The article was reprinted by the Environmental Action Reprint Service in a pamphlet circulated by the San Francisco chapter of People Against Nuclear Power. The author of the article, Anna Gyorgy, is a

prominent American anti-nuclear

The second article on the

here at the University of Albu

The Gateway welcomes a

nuclear question.

And of course, we await

Intermediate-level waste

So-called "intermediate wastes" are liquids and materials contaminated with fission products, including uranium and plutonium. These wastes are not necessarily less dangerous than high-level wastes but are less concentrated and do not contain spent fuel rods, although used fuel rod cladding is included.

About 75 percent of all U.S. nuclear wastes are stored at ERDA's Hanford, Washington, reservation. There, intermediate-level waste has been put into concrete-covered trenches called "cribs," which let radioactive materials such as plutonium-239, cesium-137, strontium-90, and tritium (a radioactive form of hydrogen) percolate into the soil below. It is assumed that they will stop long before reaching the desertlike reservation's water table far underground. A large amount of plutonium has apparently been buried at Hanford in this way.

High-level waste

These wastes contain uranium-235 and plutonium-239. They are highly radioactive. The wastes are dangerous in any form; they can, in fact, be used to make an explosive weapon.

Most radioactive wastes from the civilian nuclear program remain in the spent reactor fuel, where they were created. The NRC has not yet defined spent fuel as high-level waste, because of its potential value as fuel if reprocessed. However, as no reprocessing is in the offing, the used fuel is a waste product, whether defined as such or not.

And the spent fuel is piling up at commercial reactor sites. About 3000 metric tons of spent fuel are now stored on-site. The amount could grow by an additional 17,000 metric tons over the next 10 years. By 1985 there will be a severe shortage of on-site storage capacity.

Waste storage now ...

About 71 million gallons of high-level waste are now being stored "temporarily": 50 million gallons at the Hanford Reservation in Richland, Washington; 21 million gallons at Savannah River in Aiken, South Carolina; 3 million at the Idaho

National Engineering Lab in Idaho Falls, Idaho. These wastes are from the weapons program, leftovers following reprocessing of spent fuel from the DOE's production reactors which make U-235 and plutonium for nuclear weapons.

The super-hot liquid wastes are stored in concrete-encased carbon steel tanks. The wastes generate such heat that they often boil, and must be cooled. Although the tanks are supposed to last for fifty years, the stress on them from the hot, corrosive, and acidic wastes has caused far shorter tank life and a series of leaks.

By 1970, there had been fifteen tank failures: eleven at Hanford and four less serious ones at Savannah River. The worst was discovered on June 8, 1973, at Hanford. The waste storage facility was then being run by ARCO (Atlantic-Richfield Co.). Tank 106T, an old one built in 1944, had leaked from corrosion some 115,000 gallons of liquid high level waste. A leak was finally discovered that was draining the tank by some 2,500 gallons a day. It had leaked for 51 days. Experts say that methods for detecting leaks are crude, and there may be many small leaks that simply go unnoticed. In this case, poor records were kept on the tank. The 115,000 gallons contained 14,000 curies of strontium-90, 40,000 curies of cesium-137, and 4 curies of plutonium, along with other fission products. Robert Gillette commented in *Science*, August 1973, "It was the largest single accidental release of radioactive waste in the Commission's history, and easily its most embarrassing incident since Project Baneberry, a weapons test that went awry in Nevada in 1970, sending a puff of fallout all the way to the Canadian border."

The AEC claimed that all the radiation would be contained underground and would pose no threat to the Columbia River, just 10 miles from the spill site. In fact, abnormally high levels of radioactivity have already been monitored in the river, its fish, plankton, and wildlife. These levels may be due more to direct discharge of wastes into the ground than to spills from the high-level waste storage tanks. But the contamination is nonetheless there.

In 1972 a government report noted that enough plutonium had collected in

the soil of the Hanford cribs used to store intermediate-level wastes to "conceive of conditions which could result in a nuclear chain reaction," hence an explosion. Subsequently the plutonium-contaminated soil was dug up for reprocessing and storage elsewhere.

... And later

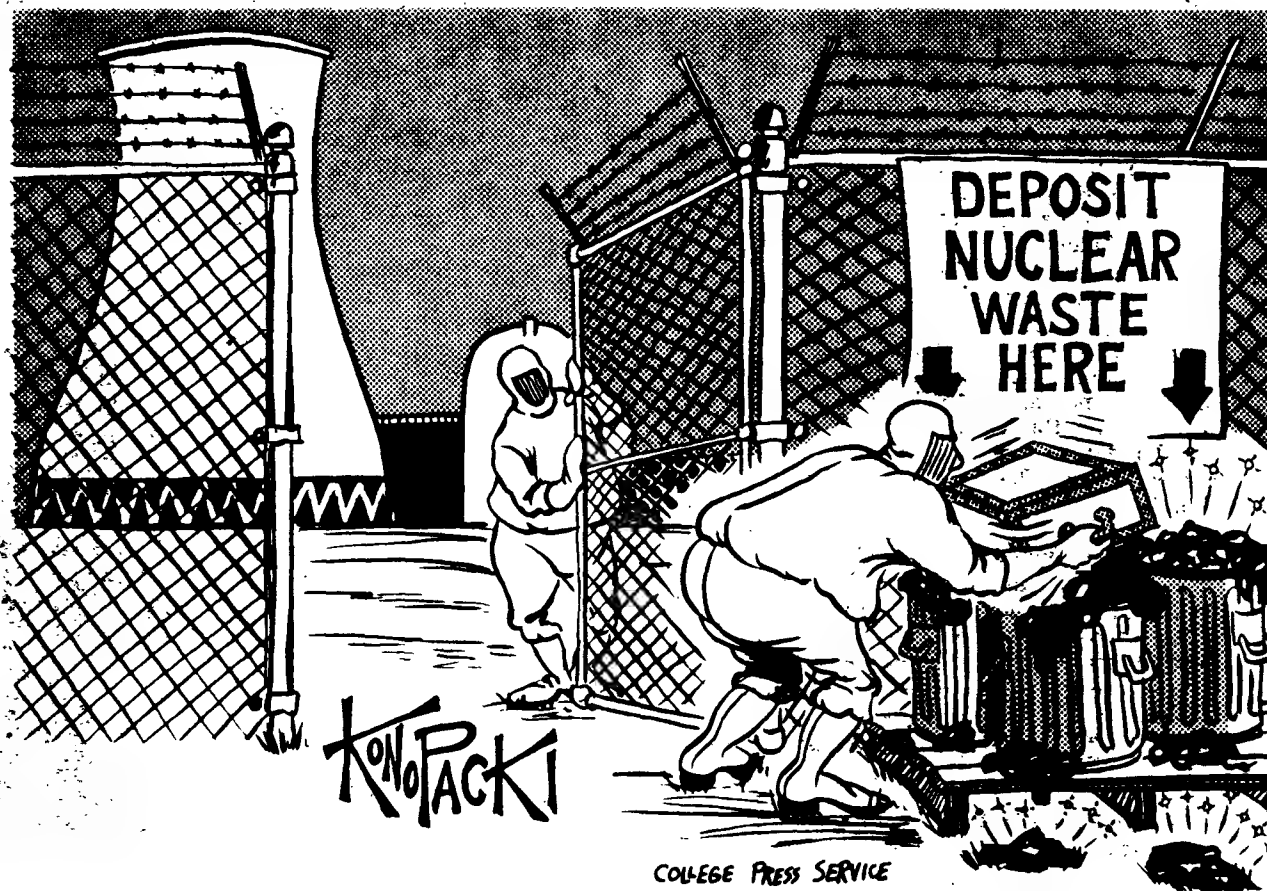
Managing nuclear waste is less difficult than managing many other by-products of our industrial society. The technology to handle nuclear wastes is available today ... The Federal Government is presently reviewing several permanent techniques for storing high-level waste. The most promising method is burial in deep salt deposits.

— Northeast Utilities, "The Way It Is" (July 1975)

Utility and government hopes for an easy solution to the waste mess have been repeatedly dashed. "The Nuclear Fuel Cycle," a report prepared by the Union of Concerned Scientists in 1974, reviewed the chancy nature of waste storage "solutions":

Except for the storage of liquid wastes in tanks, for which experience from weapons production applies, all proposals for long term storage or disposal of high-level waste from the nuclear industry lie at the research and development stage. The proposals so far considered seriously by the AEC for the disposal of wastes are dubious in concept (caverns evacuated by nuclear weapons, depositing wastes in liquid form in rock caverns), not technically feasible (disposal in solar orbit), or they are so dependent upon site specific geological characteristics that suitability cannot be determined *a priori* without extensive on-site investigation (disposal in bedded salt or under Antarctic ice)... The matter of man-made vaults at or near the surface for long-term storage (500 years) is equally uncertain. Their maintenance depends upon the existence of social and political institutions, the permanence of which cannot be guaranteed ...

Not much has changed since the UCS report was issued. But public and even official awareness of the problem has heightened. In July 1976, a court ruling on an appeal of the licensing of



nuclear question

researcher.

pages is by John Savard, a graduate student in Physics

contributions from interested students on any aspect of the

reply ...

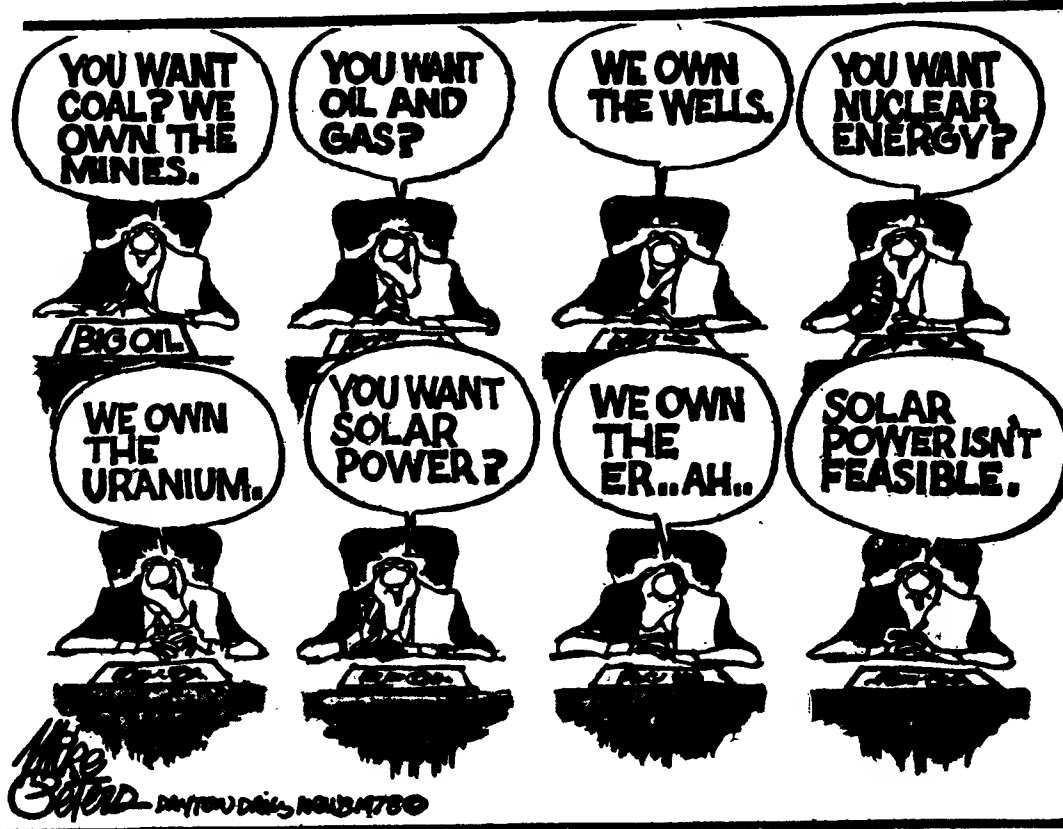
The Vermont Yankee nuclear plant in Vernon suspended the granting of construction licenses for nukes from July until September 1976, when the NRC issued a report on the environmental impact of reprocessing and waste management parts of the fuel cycle for light-water reactors. The court had agreed with the New England Coalition on Nuclear Pollution and maintained that those aspects of the fuel cycle had been inadequately covered in licensing hearings.

The NRC report (called "The Shop Report," after one of its editors) chose the salt-bed disposal method as most feasible. High-level wastes are already being stored in heavy barrels in abandoned salt mines in West Germany, but indefinite storage by this means may not work. Dr. Hannes Albrecht, a Nobel laureate in physics and in "The Nuclear Fuel Cycle," has said, "There is no doubt that the salt

mines could be considered safe for any normal waste products. But because of the very large quantities of extremely poisonous substances, it is required that the repository should be absolutely free of leakage for a period of hundred of thousands of years. No responsible geologist can guarantee this, simply because the problem is one of which we have no experience."

The General Accounting Office summed up the desperate waste problem quite succinctly in its report to Congress, September 9, 1977:

To safeguard present and future generations, locations must be found to isolate these wastes and their harmful environmental effects. A program must be developed for present and future waste disposal operations that will not create unwarranted public risk. Otherwise, nuclear power cannot continue to be a practical source of energy.



On the other hand...

Nuclear power is not safe. It kills, maims, and incapacitates.

Unfortunately, so does every other kind of power. And the other kinds of power kill, injure, and incapacitate much more often, per unit of energy produced.

This is the message of the book "The Health Hazards of NOT going Clear," by Petr Beckmann, author of "History of Pi." And he makes that message very effectively.

For a given amount of energy, 90 times as many coal miners as uranium miners will die of industrial accidents, 18 times (or more) the number of uranium miners who die of excess cancers is the number of coal miners who die of Black Lung for the same amount of energy. Incidentally, these figures are based on light-water reactors, with no reprocessing.

On January 6, 1973, an oil fire started in Bayonne, New Jersey. On January 3, 1976, an oil storage complex in South Brooklyn caught fire and exploded. In either case, had the wind been blowing in the right direction, thousands of people would have died. Look at the fuss being made about Three Mile Island ... where the evacuation of pregnant mothers from the area was found, in hindsight, to be unnecessary.

One early chapter attempts to explain why a nuclear power plant won't explode like an A-bomb. Not "is it likely to," but "cannot." The accident that can happen is a loss of coolant accident. If the flow of water to the reactor core is halted completely, the backup cooling system also fails, then the fission products inside the rods would continue to generate heat until the metal casing of the fuel rods also melted, producing a mass of radioactive molten metal that would be melting the bottom of the pressure vessel around the core. Note that it takes a lot of fuel to cause a meltdown, as the plutonium can be easily prevented from producing that much heat ... because the "We Almost Drowned" reactor, featured in "We Almost Drowned" did not have enough spent fuel at the time (October 1966) to cause a meltdown under any circumstances.

The molten, radioactive metal (unless some dimwit had located a subway tunnel under the nuclear power plant) cool off quite harmlessly (it couldn't explode) several yards

underground (no, it wouldn't get to the Earth's core, let alone the Indian Ocean) ... but it would release gaseous radioactive substances that could endanger the public.

Next, we need a wind blowing towards a population center ... and a temperature inversion. Since it takes time for the molten metal to melt its way out of the containment building, some time is available to evacuate. Finally, it becomes possible that excess deaths from cancer, in years to come, will be caused by the accident.

With oil and natural gas tanks, there is no question of having both a cooling and a backup system failure, followed by possible casualties in years to come, which would, however, normally average to less than one casualty.

One match — and whoosh! An explosion that would immediately kill dozens ... and smoke that could, possibly, cause excess deaths from emphysema, asthma, and so on, again given the right weather conditions.

How about radioactive waste? The radium and thorium isotopes in coal expose the public to at least 180 times as much radiation as the routine emissions of an atomic power plant of equal capacity: but these have already been seen to be absurdly low. Coal ash also contains both radioactive and conventional poisons, and is bulky compared to radioactive waste.

If reprocessing does not proceed, Dr. Beckmann admits that such waste would be a problem: the useful plutonium is the primary long-live component of such waste, and if it is removed, what is left is almost all of half-lives shorter than a few decades, and of very little bulk. It is the lack of bulk — the concentration of the hazard — that is the safety advantage of nuclear power.

Mine tailings are a more serious hazard: while it can be dealt with reasonably with existing technology (according to the recent APS report on nuclear fuel cycles), since it was (until recently) ignored by the public and the anti-nuclear movement, it had been treated with a blasé attitude similar to that towards non-nuclear hazards.

Poisons such as arsenic, selenium and vanadium in coal offer a greater hazard than the radioactivity in coal: and these poisons have an infinite, not merely a long, "half-life."

Also, naturally occurring uranium

in the ground has leaked into water supplies and caused excess cancers: by burning it up inside reactors, and burying what is left in carefully selected, rather than naturally and randomly selected, sites, public health is enhanced in the long run.

Terrorism and sabotage? There are far easier ways of killing large number of people than by building your own A-bomb: but for obvious reasons, Dr. Beckmann chooses not to prove his point by naming them. There have, however, been magazine articles occasionally on the subject — so it is no secret what they are. One argument made recently is that, while germs and gas are universally rejected, A-bombs are "legitimate," having been used, and are therefore more attractive to terrorists having PR concerns. I should think that the indiscriminate killing of thousands is sufficiently odious that the means used in doing so will scarcely add or detract.

Price-Anderson? The first \$120 million of damage due to a nuclear accident is insured with private insurance companies: the next \$560, by the Federal Government in the U.S., but the utilities pay premiums to this fund ... which is a profit-maker, not a subsidy. And there is no no-fault insurance for other forms of disaster at all. Yes, the U.S. government invested \$1 billion in reactor safety ... but it spends \$1 billion every year on Black Lung victims.

Then, what is wrong with nuclear power?

For one thing, it would save the lives of coal miners by putting them out of work. But, if we had more abundant energy, and if we didn't need to force people to mine coal, perhaps we could afford better social services and other jobs for them.

For another, it distracts people from the real issue of conservation. Since nuclear power is safe and abundant, people will avoid making the painful adjustment to using less energy, at least in the form of electricity. Why shouldn't they avoid it? For one thing, eventually human energy production will generate enough heat to change the planet's climate. So, we had better adjust now to using less energy than delay things until we've had time to prepare for the adjustment. For another, energy use contributes to economic prosperity. This will enable people to avoid coming face to face with

by John Savard

the moral issue of poverty: the redistribution of wealth. It will also mean that there will be less delay in giving the poor what they need, and without bloodshed.

What about solar power? After auto accidents, accidental falls are the number two cause of deaths not due to disease. Climbing up on the roof to fiddle with a solar power collector, for a few kilowatts of power, not thousands of megawatts, and having to maintain your own energy storage system ... covering a few square miles of desert with white paint to compensate for nuclear-produced heat is cheaper and safer.

Dr. Beckmann ends his book with a hypothesis to account for the anti-nuclear movement. Even in the late sixties, he says, environmentalists tended to be left-wingers, college-educated, and affluent. (This is not guilt by association — guilt isn't involved — but an observable statistical preponderance.)

Self-interest, not recognized consciously by those involved, is invoked. What self-interest could oppose the cheapest, cleanest, safest method of power generation yet developed?

If it weren't for the free enterprise system and modern technology ... people without college educations wouldn't be going to Florida, or even London, Paris, and Rome. The beaches, airplanes, ocean liners, and even the roads would once more belong exclusively to cultured individuals. Mass affluence, the lifeblood of which is energy, is destroying affluence as the sign of a favored social stratum.

My primary source for this article, which I must confess to having plagiarized in spots, is Dr. Beckmann's book. Not everything in it, however, comes from there: besides some use of other sources, I expressed my own opinions when I explained what is wrong with nuclear power. Dr. Beckmann's book is well worth reading in its entirety. Fairness, however, does compel me to mention two errors in it: plutonium is more toxic than radium, not the other way around, since plutonium concentrates at the surface of bones; and his proof that a reactor cannot become an A-bomb also proved, for a moment, that it couldn't be a reactor either ... due to unavoidable oversimplifications.

"We're not mine; we're boffo"

by Qzz(f)zzq from Sinfthe (Rigel)

I am honored to write this story about the Edmonton Science Fiction and Comic Arts Society's Noncon II convention held at the Edmonton Inn this weekend. Imagine my complete surprise when I pops down to visit my dear Terran Thorsby friends and old Milf sez, "Hey Qzz(f) zzq, why don't we check out an SF convention?"

Well, I couldn't refuse. After the pretty dull six-month stint I just spent on Saturn Base, this kind of thing's the best way to start off your furlough. After snorting some great Vegan "thunderfuck" that a Denebian laid on me, we achieved escape velocity and left Thorsby in Thrumbo Wattskiller's *Bronc* and settled into a nice, gentle weekend orbit around Noncon's 752 party suite, the Crystal Ballrooms, and the Edmonton Inn tavern.

So there we are and who do we run into — Xn'n(g) cna, an old schoolmate of mine, in the tavern. But she's in trouble. A cretinous Terran type is trying to do something he shouldn't (even by Terran standards).

"Lay off you eater- of- raw- meat- Imperium scum," shouts Xn'n(g) cna, getting ready to do something that violates all regulations concerning frontier worlds. I leap up to try and stop her but I'm too late; I hear his scream. "She burned me, her...her, oh mi god, it's fake!"

The Terran's cretin friends all guffaw. "Too hot for you," they snort in unison. I manage to thrummel away most of the charge just a nanosecond before she put her foot to a most sensitive portion of the Terran anatomy.

"Are you out of your mind(s)?" I plead, thrummeling away the charge as fast as she builds it up.

"Ah let her go, Joe," sez one of the cretins, "they're weirdos who're from that weirdo convention."

Only because I'm Rigelian and could anticipate Xn'n(g) cna's actions did a number of cretinous Terrans narrowly escape being rendered sterile.



photo Milfred Campbell

Some of the conference delegates checking out the various materials collected for Noncon II.

Later Xn'n(g) cna sez: "I'm sorry I lost my head(s)."

"You better believe it," I sez, "this whole sector would've received off-world status for at least another century with a trick like that."

"I know," she sez looking down at her beer, "but the thing is that this world is being overrun by the Imperium's dream police and spies."

"Nonsense," I sez, "the Coalition has been monitoring Terra for a long time now. That's what the Saturn Base is all about."

"But I've been here for two or three years now. The Imperium's effecting changes here that you're hardly aware of. Listen to me, Qzz(f) zzq. The Coalition's become lax arguing ideology while the Imperium continues to expand. We have to do something."

Now I admit I don't know much about ideology or politics, and after the Vegan "thunderfuck", I didn't really want to get into that kind of a discussion; I just wanted to enjoy the convention. But Xn'n(g) cna wouldn't be put off. "Well, alright, we'll check the convention out, but take a good look around you."

So Xn'n(g) cna, my Thorsby friends and I started wandering about. We went through the hucksters' room, which I figure was the star attraction of the whole convention. There you had a wide assortment of SF and Fantasy magazines and art books, jewelry, T-shirts, comics and a whole kaboodle of fantasy and SF games, which is a recent innovation since I last visited Terra. Each game comes with a complete set of rules which requires one player to be designated as a rule master. The games can involve any number of players and can literally carry on for years.

Then there was the art room which had some fine art, especially by artists Poyser and Macklin of the U.S. There were things like the Fantasy Make-Up Workshop, Writers' Workshop and Sound Poetry.

"Pretty innocuous stuff," I sez to Xn'n(g) cna. "Where are your Imperium bogeys?"

"Can't you see it? *Battle Star Galactica*? *Star Wars*? The militaristic motif that's creeping into the art? The complacency? There's so little of this that's provocative. And it isn't here, it's out there too. This world is edging towards total war."

I really had to work at keeping her calm till we were treated to an address by Gordon Dickson, Noncon's guest of honor, a prolific SF writer who has turned out 150 pieces of fiction and 35 novels. His address dispelled my increasing fears of Terra's ability to withstand any Imperium infiltration. Here was a man who looked at Terra's future with great optimism, yet discussed the need to temper progress with social awareness, and (no need to be bashful) *humanity*.

We all rode pretty high on the dynamism and sincerity of this man's presentation. But in comparison, the costume bacchanal that followed Dickson's address, was a let-down of sorts. There were very few costumes on an SF theme; the best by far were the three or four medieval entries. The only SF-ish costumes were those of Golden

Girl, and Katina from Arnina.

By this time Xn'n(g) cna's rebel blood was reaching boiling point.

"Look at the people in military uniforms," she sez, "and you don't think the dream police've not been visiting Terra?"

"Damn it Xn'n(g) cna, what, by the foul thoughts of the Cygnian droopies do those people know about the Imperium?"

"That's just it, they don't. But where do those strange images rise up from? And why are they gaining such popularity?"

Well, I couldn't really answer her — all I know is that I've seen wilder costumes at some of Thrumbo's Halloween parties and at *Flashback*. The music was pretty odd too — disco? when Terran musicians have been reaching the outer fringes of the galaxy with some of the things they have been doing.

Why, we all wondered, didn't we get to hear more of Richard Reichardt's filksinging?

I agree with Xn'n(g) cna on one point. Disco music is an invention of the Imperium's dream police. We were finally compelled to leave the dance floor when Faustus, one of the Thorsby gang, insisted on singing out at the top of his voice, "We're not mine; we are boffo."

We opted out for the Noncon party suite, 752, where we met some great Terran SF fans. Even Xn'n(g) cna enjoyed herself, meeting the real people behind the costumes. But I think we'll keep a closer watch on all of the Imperium's activity in this sector.

"Imperium or no Imperium, there's been a pronounced swing to the right in this hemisphere," sez Milfred Campbell. "Just look at the popularity of the new Heinlein, Moorcock — and things like Lithium, fascism in fashion, punk rock, Margaret Thatcher, the National Front, the Cuban pseudo-crisis..."

To tell you the truth, that kind of talk reassured me. Xn'n(g) cna's worries are a bit unfounded and I whisper that in her ears. The party's in full swing and I begin to *thn'thrummel* a gentle charge down Xn'n(g) cna's way.

She responds favorably, and it's like the old days in Sinfthe all over again.

The Thorsby Collective is a direct outgrowth of a summer retreat held at Pigeon Lake, and organized by Milfred Campbell for the purpose of combatting fascism and plain old silliness in the Arts and Sciences.



A Milfred Campbell self-portrait? No. Rather, one of the many costumes highlighted at Noncon.

photo Milfred Campbell

U of A publishing presses on

by Lucinda Chodan

"Time sequence analysis involves the extraction of a flow of messages ..."

It doesn't sound like the first line of a best-seller.

But *Time Sequence Analysis in Geophysics* is the hottest item in the University of Alberta Press catalogue.

U of A Press director Norma Gutteridge is enthusiastic about the success of the text, a staple in geophysics courses across North America.

She's also enthusiastic about the rest of the U of A Press inventory, which ranges from texts on bioengineering to western Canadian phraseology. And with good reason. The press is involved in the publication of high-quality, stringently edited books from its campus office in Athabasca Hall.

Although the press has published more than 30 books, Gutteridge isn't surprised that few students know of the existence of the U of A Press.

"We've only really got going in the last two years," she says.

"Getting going" includes the luxury of permanent premises and a full-time staff. From its inception in 1969 until 1975, the press relied on the free-lance, after-hours labor of Gutteridge and her husband to publish books.

"We were established as the University Press committee by the Board of Governors in 1969 and published our first books in 1971 ... but we went through some very lean times until 1975."

Despite the lean times, the U of A Press managed to publish eight books in those first six years. Then in 1975, the Press was given a larger budget and a full-time director and staff were hired.

"We actually have four and a half staff members now," Gutteridge says. The staff includes a director, an editor, a designer, and a secretary/bookkeeper, along with one student responsible for invoices and shipping.

Each of these employees has an important role to play in the transformation of a manuscript to a book. "A book is like a child," says Gutteridge. "One must lavish care and attention on it ... nurture it through all its processes."

The press receives numerous manuscripts each year from aspiring authors. From these manuscripts, the director and the editor select one or two. The criteria?

"Because we're an academic publisher," Gutteridge says, "we look for reasonably well-organized books ... they should have a good theme, and the writing should be of a good standard."

"A publisher has to have a pretty wide interest in ... an enormous range of subjects, but generally, we're looking for a well-turned out piece of work."

After Gutteridge and editor Sylvia Vance select a manuscript, it is sent out to various readers — experts in the area the manuscript discusses — for technical verification. If the readers agree that the book is a valuable contribution to a particular field, the U of A Press faces the next hurdle.

"Then we have to find the money for it," says Gutteridge. Money for new publications usually comes from U of A Press sales revenue, government grants and private groups interested in the book's topic.

If money is available for the book's publication, it must still face the

university's editorial board. The board, comprised of members from various faculties, is appointed by the university president. And it makes the final decision about each manuscript.

"So far, it has never happened ... but in theory, it could reject a manuscript," says Gutteridge.

If a book receives the approval of the editorial board, the real work begins.

"First-time authors sort of have the idea that you hand in a manuscript and push a couple of buttons and out comes a book," says Gutteridge. The process is much more complicated than that, however. It usually takes from six to nine months, and sometimes much longer, before a bound volume appears.

The manuscript first goes to the designer, who chooses a general format that will complement the subject matter of the book. She decides what kind of print the book will have, and selects a style for its printing — how wide its margins will be, how large the print will appear, and what kind of binding will be appropriate.

While the designer is preparing an overall look for the book, the editor is copy-editing the book for meaning and consistency.

"The editor is the prototype reader," says Gutteridge. "She ensures that the author's thoughts come directly to the reader."

After the manuscript has been copy-edited, it is sent to a printer, where the actual printing of the book occurs. In the meantime, the designer is preparing brochures about the book for distribution and the director is booking advertisements in appropriate journals.

The printer prepared photocopies of the book in its rough stages, and these galley proofs are sent to the U of A Press. The galleys are carefully scrutinized, corrections are made, and they are returned to the printer.

Once the printer has included these

corrections in the text, he sends the press a final photocopy of the book. This final photocopy — the blueline or brownline copy — is the last chance for the press to make corrections. The next stage is the bound, printed book.

By the time the manuscript is printed, the publisher knows the book almost as well as the author does. But Gutteridge says this is never a tedious process.

"The thrill never goes ... no matter how many books you put out."

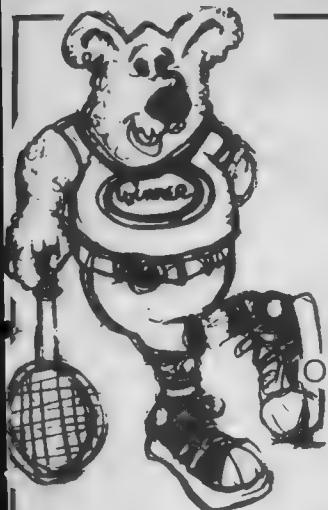
"In over 20 years, I've never got used to it."



Editor Sylvia Vance edits galley proofs during late stages of publishing process.



Press director Norma Gutteridge with part of U of A Press's selection of books.



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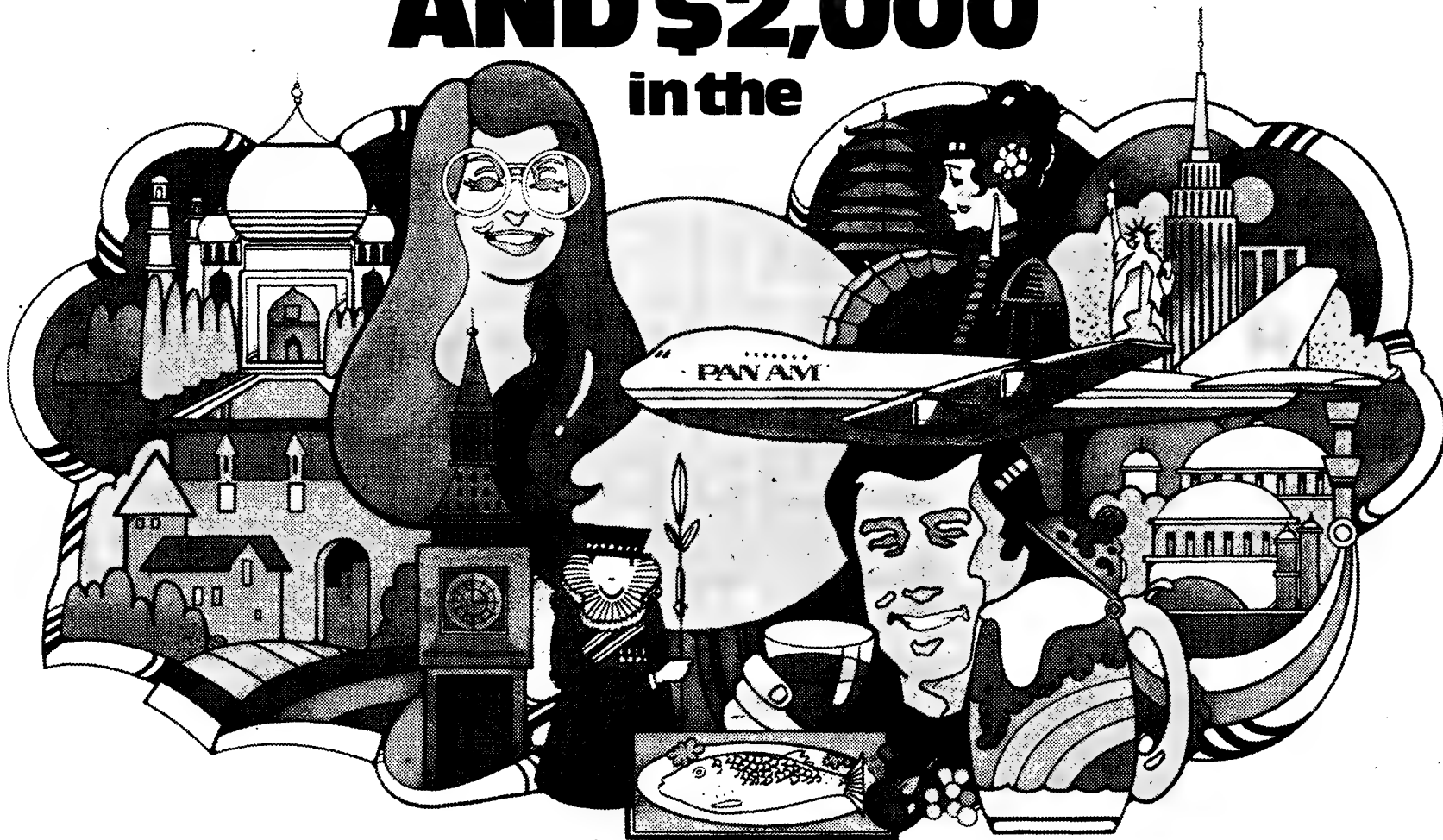


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 Complete and mail the entry
 form below. Carefully read the
 rules and regulations and
 answer the four easy questions

on long distance calling. Entries
 must be received no later than
 November 15th, 1979.

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 great adventures, and who

knows, you and a friend may
 soon be setting off on a round
 the world trip. Enter now!

Long Distance
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Rules and Regulations

1. To enter the 1979 Student Long Distance Sweepstakes, complete the Official Entry Form and Questionnaire. Only official entry forms will be considered. Mail to:

Long Distance Sweepstakes
 Box 8151
 Toronto, Ontario M5W 1S8

Contest starts September 1st, 1979 and closes with entries post-marked as of midnight, November 15th, 1979. The member companies of TCTS do not assume any responsibility for lost, delayed or mis-directed mail.

2. There will be one prize awarded. The prize will consist of a trip for two persons including economy return airfare from the commercial airport nearest the winner's home to a connecting flight to participate in the Pan Am "Round the World in 80 Days - Or Less" programme which will include the winner's selection of destinations in accordance with this travel package. Prize does not include meals, hotel accommodations, gratuities, misc. items of a personal nature, departure or airport taxes. The winner will be responsible for passports, visas and inoculations. The prize includes \$2,000.00 Canadian, spending money. Trip prize must be accepted as awarded and is conditional upon space availability, and must be completed by February 28, 1981. Value of the prize is dependent upon the particular points of arrival and departure of the trip. The approximate value, based on a Toronto departure is \$4,913.00. Arrangements for the trip to be taken will be made by Canadian University Travel Service (CUTS).

3. Following the close of the contest, a draw will be made November 29, 1979 from among eligible entries received. Chances of winning are dependent upon the number of entries received. The selected entrant, (whose questionnaire is completed correctly) will be required to first correctly answer a time-limited, arithmetical, skill-testing question during a pre-arranged, tape recorded telephone interview conducted at

a mutually convenient time. The prize will be awarded. Decisions of the judges are final. By entering, the winner agrees to the use of his/her name, address and photograph for resulting publicity in connection with this contest. The winner will also be required to sign a legal document stating that all contest rules have been adhered to. The name of the winner may be obtained by sending a stamped self-addressed envelope to TCTS, 410 Laurier Ave. W., Room 950, Ottawa, Ontario K1P 6H5.

4. This contest is open only to students who are registered full-time or part-time at any accredited Canadian University, College or Post-Secondary Institution. Employees of TCTS, its member companies and affiliates, its advertising and promotional Agencies, the independent judging organization and their immediate families are not eligible. This contest is subject to all federal, provincial and municipal laws

LONG DISTANCE SWEEPSTAKES Official Entry Form

Answer the following questions, then complete the information below them. Mail the complete form to be received by midnight, November 15, 1979. (ONLY ONE ENTRY PER PERSON.)

Questions:

1. Give two ways you can save money on your long distance calls.

a) _____

b) _____

2. During what hours can you save the most money on long distance calls between Monday and Friday?

Calling to (location of your choice)
 from _____ am to _____ am
 _____ pm to _____ pm

3. Under what conditions do discounts apply on calls made from payphones?

b) _____

4. Give two reasons you would make a long distance call.

a) _____

b) _____
NOTE: Answers to most of these questions can be found in your local phone book.

GOOD LUCK!

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POSTAL CODE _____

PROVINCE _____

PHONE NUMBER _____

UNIVERSITY/COLLEGE attending _____

Library now two million strong

by Lucinda Chodan

"And now on to our third million."

With those words, Librarian to the University Bruce Peel welcomed the two millionth volume to the university library Saturday afternoon. The book, *Jumonville, Poeme* (1759), is one of only five first editions in North America; it will join other rare volumes in the library's Special Collections.

The presentation ceremony, though, is only another page in the long and colorful history of the U of A library.

The library system, now housed mostly in the Rutherford and Cameron libraries, includes 500,000 government publications, 1.25 million microfilm, microfiche and microprints — and some audio-visual material. Quite an advance from the library's original form in 1909 — about 6,000 books.

When the U of A opened in 1909, the library was housed in Queen Alexandra public school, where the first university classes were held. In 1911, this library was transferred to Athabasca Hall; during the next thirty years, it was shifted to various temporary locations on campus to try and accommodate growing numbers of books.

Although the university decided in 1928 that a separate library was needed, the Depression and the onset of World War II delayed its construction.

With the influx of veterans in 1946, however, the university found itself with a population of 3,300 — and a library with a seating capacity of 285. The result: the rapid construction of the old Rutherford Library, beginning in 1948.

The construction of Rutherford Library was not uneventful, though. Forty-eight hours before the cornerstone was to be laid by the province's Lieutenant-Governor, the official cornerstone disappeared. After a

frantic search by the campus' one-man security force, the Faculty of Engineering was conscripted to produce a facsimile from wood and fast-drying cement. One hour before the ceremony, an anonymous phone call led university officials to a back alley near the university, where the engraved stone was discovered.

Rutherford Library, named for Alberta's first premier and long-time university chancellor A.C. Rutherford, was officially opened in 1951. Then, the *Gateway*, with its usual foresight and accuracy, said Rutherford Library had provided more reading space than would ever be used. How wrong we were!

Increasing enrollments in the 1950s caused the library to consider adding to the Rutherford Library again by 1956. After several alternatives had been considered, a library consultant in 1960 advised university officials that any proposed addition to the existing library would be inadequate. Construction on a new library building began in August 1962; by September 1963, Cameron Library was completed.

The new library was named for D.E. Cameron, university librarian for nearly 25 years. The opening of Cameron Library coincided with the advent of the Education Library, and the institution of such progressive measures as library fines.

The 1960s produced an optimistic, expansionist mood in Canadian universities which was reflected in the U of A library system. The end of the decade saw the all-time peak in library book acquisitions and some optimistic projections regarding library growth.

In 1965, the Library Committee projected a book collection of three million books by 1976. It was only the work of an alert computing sciences professor that prevented the library from committing itself to selecting 1,500 books per



The millionth volume, Sir Frederick Ulrich Graham's "Notes of a sporting expedition to the far west in Canada, 1847", was added to the Library collection in 1970.

working day.

The Sixties also saw the first attempts at automation of the library circulation system — and the renewed problem of inadequate library space. By 1970, the library was ready to embark upon its next major project, the construction of an addition to the Rutherford Library.

Rutherford North, completed in 1973, succeeded in preserving the facade of the old Rutherford building while adding 100,000 square feet of library space. The event was an optimistic beginning of a lean decade for the library, though. With declining university enrollments and decreased government funding for univer-

sities, in 1975, book purchases had declined 44 per cent from an all-time high in 1971.

In 1979, the seventieth anniversary of its founding, the U of A library includes several important rare collections. One of these is the John Bunyan collection, over a hundred seventeenth century books by Bunyan and his contemporaries. The collection is one of only three in North America.

Special Collections also possesses the Wood collection of Western Americana, which it acquired about ten years ago. The 7000 books were purchased by the U of A library for \$70,000, and Librarian Bruce Peel says, "In California, they literally wept when they heard it was leaving."

The university also owns an extensive collection of rare Sephardic manuscripts. The Bension collection consists of letters from Jews who had been driven to Morocco from the Western Mediterranean at the end of the fifteenth century. The manuscripts were found in a suitcase in a Montreal basement, and were purchased by the library in 1973.

Special Collections contains many individual texts of interest. One of these is a typewritten copy of R.W. Service's "The Shooting of Dan McGrew", believed to have been typed by the author. The poem is one of many loans by Toronto bibliophile Hugh Morrison, who has been a special contributor to the university's collections almost from the time he was born where the Humanities Centre parking lot now stands.

Three million volumes?
Two million one, two million two...



During the Sixties, a notable collection was purchased by the Library from the Archbishop of Salzburg.

photos courtesy U of A library

Bears hold history on line

by Bob Kilgannon

Last Saturday was the annual homecoming game for the U of A Golden Bears. For the last few years that has meant another victory for the U of C Dinosaurs. Not this year. The Golden Bears finally won a homecoming game, beating the Dinosaurs 24-8 before a disappointing crowd of only about 1200.

The Bears did it with excellent defense (giving up only 1 point) and a well balanced offensive attack. Calgary's most effective weapon was Jamie Armstead who returned a punt 65 yards for a touchdown, as well as returning a wide field goal another 58 yards. Calgary's other points came off a convert and a single by kicker Tony Kuchera.

After the first quarter touchdown by the Dinosaurs the Bears roared back to score 18 unanswered points in the second quarter. First, halfback Sean Kehoe scored from 22 yards out at 1:50 of the quarter. Then at 9:09 Kerry O'Connor combined with quarterback Forrest Kennerd for a 52 yard pass and run major. O'Connor made just a great run after catching the ball at about the 40, breaking four tackles and outrunning several other would be tacklers.

The slotback was eager for a big play saying, "On the touchdown play I was still upset about dropping the ball (in the first quarter) so when I caught

that pass I was determined to go for six (points)." The touchdown wasn't O'Connor's only big play. The four year veteran had four catches for 106 yards and five punt returns for another 57 yards.

O'Connor has now had two exceptional games against the Dinosaurs but says there is no special reason for his success them. "It has nothing to do with Calgary's defense. The ball just came my way. My number seemed to come up more today and I'm happy about that. I have to give credit to Forrest though. He really put the ball on the money."

Finally with 2:58 left in the half Trevor Kennerd kicked his first of three field goals. This one was special because the 54 yard kick was Kennerd's longest in a game.

The second half was uneventful from a scoring standpoint. Calgary scored a single and the Bears replied with two field goals. More exciting though was the Bear defense. They probably played their best half of the season. Twice, the Green and Gold defense stopped the Dinosaurs in crucial third down situations. The first defensive stand set up a Kennerd field goal of 23 yards, and the second stopped a drive at the Alberta 26.

The defensive line, only a three man front, recorded their first two sacks of the season. The secondary, led by Robin Lawrence's three interceptions, also played well. When asked if



photo Jim Connell

Barry Kokotillo almost donates shirt to poverty-stricken Dinos.

this was his best game, Lawrence replied that "It was my luckiest but not my best. We played mostly zone and I was just reacting to balls that came into my zone." There were no real standouts on the defense this day though: every defensive player performed well.

Offensively, the Green and Gold were not overwhelming. Still, they gained points when they were needed, as well as compiling over 400 yards of total offense. The running game yielded nearly 200 yards and another 200 through the air.

After the game head coach Jim Donlevy seemed pleased with the victory but warned that the Bears must keep winning to finish on top. "We knew that they (Calgary) were improving. They won three in a row and we had to knock them off. We can't rest though. We still have to win at least two of our next three games to finish first." Playing together and working hard in practise as well as they have been, this edition of the Bears might win all three games.

Bear Facts

The UBC Thunderbirds remained tied with the Bears in first spot by defeating the U of S 21-0 in Vancouver. The T-Birds record is 4-2 while the Bears are

Yardsticks

	Dinosaurs	Bears
First downs	12	22
Total offence	262	412
Passes attempted/completed	34/15	34/17
Punts/average	10/40.4	10/40.6
Penalties/Yards	3/10	7/55
Fumbles/lost	1/0	0/0
Interceptions by	1	4

Individual

	Dinosaurs	Bears
Rushing:	none of consequence	Kehoe 14/76 Cunningham 14/70
Passing:	Colborne 5/15 for 88 Vavra 10/19 for 95	Kennerd 17/34 for 230
Receiving:	Krogh 6/111 Goodwin 6/50	Brown 4/42 O'Conner 4/106 McLean 4/37

4-1. Saturday's game was the last home encounter of the regular season. The Bears play this weekend in Winnipeg against the surging U of M Bisons.

A little note to some of the fans: the boys singing raunchy songs from the stands behind the bench were not appreciated. The players stated they did not like it

and the real fans did not like it either. How are college games ever going to attract the public (mom, dad, and the kids) when inconsiderate zeros subject fans

to garbage. It's about time you cleaned up your act. Go ahead and get loaded but do not ruin the game for others.



photo Jim Connell

Dave Brown makes good Kennerd's pass.

Bears help promising Olympics

by Larry Riffin

The Canadian Olympic team may be amateurs but they certainly didn't look out of place playing against last year's Stanley Cup Finalists, the New York Rangers. That was the consensus Saturday night at the Calgary Corral when the Olympics lost 5-3 to the Rangers. In fact, the Olympics could have just as easily won the game.

The Olympics had a chance to tie or win with the Rangers leading 2-1 in the third period. The Olympics had a man advantage and the action centred around New York goalkeeper Doug Soetart. The Olympic

team were pressing but unable to score the tying goal. At 8:36 Dave Maloney, the Ranger captain, converted a two on one into a short-handed goal. The Olympics never recovered after that.

The failure of the Olympic team powerplay in combination with some major defensive lapses cost them the game. On numerous occasions they controlled the puck within the Ranger end, and showed the poise which will be necessary when they travel to Lake Placid for the 1980 Olympics. Still, they were foiled time and time again by strong goaltending. When it appeared that they had control

of the game the Rangers would go on the offensive and take advantage of a defensive error to score.

Olympic coach Tom Watt, said, "We didn't play as well tonight as we could have. We were one for nine (on the powerplay) and they were two for two."

The Rangers were led by Walk Tkaczuk with two goals and had singles going to Doug Sulliman, Dave Maloney and Don Murdoch.

The Olympic team line of former Bears Kevin Primeau, John Devaney and U of T representative Gary Farelli played well. They were on the ice

for all three of the Olympic team goals. Primeau had a goal and two assists, Farelli had a goal and Devaney combined some very strong forechecking and backchecking work with an assist. With less than five minutes left former Bear defenceman and Olympic Team captain, Randy Gregg, scored the Olympics' third goal on a backhand.

Two other ex-U of A players, Dave Hindmarch and Don Spring, also had good games. Hindmarch has been out a month with a knee injury but looked good taking a regular shift for the first time. Spring was probably the best defenceman on

the ice for either team.

The Olympic line of Kevin Maxwell, Ken Berry and Glenn Anderson will be one to watch in the future. All three are less than twenty years of age, and yet were likely the fastest players on the ice.

The New York goaltending was split by John Davidson and Doug Soetart. Davidson, a former member of the Calgary Centennials was honoured before the game and received warmly by the sell-out crowd of 7,344. He was mobbed after the game by hundreds of autograph seekers.

The Olympics outshot the Rangers 39-24.

Good defense is good offense

by Karl Wilberg

On the West coast things happen throughout the year. Soccer is not limited, as it is in Alberta, to half the year. Consequently, the UBC and U of V soccer teams are tough to beat and have provided the Bears with an obstacle to the conference title.

Last weekend though, the Bears appear to have ended the coastal soccer domination. UBC lost 4-2 and Victoria was held to 1-1 tie. Needless to say, coach Esdale was excited. Esdale credited a capable defensive line-up for much of the Bear's success. Brian Wilson, Kent Fargey, Lorenzo Antonello and Pat Johnson "played remarkably" according to Esdale.

In addition, on short notice, goalkeep Joel Cochrane replaced injured veteran Bill Akum on what Esdale terms "the toughest swing," in the travelling schedule. Cochrane came up with good saves and should be prominent in the future.

The Friday game against UBC started well for the Bears and Fullback Rob Kociansic. He scored with a high kick, but soon after was injured. The first half ended with a Bear's 3-0 lead. In the next half another Bear goal was scored in addition to two UBC goals. Esdale mentions that the team "had let down" in pace, and a questionable penalty



Defense stands still for a moment. L to R are Claudio Perusco, Brian Wilson, Rob Kociansic, Kent Fargey, Pat Johnson, and Lorenzo Antonello.

in explanation for the BC goals.

Saturday's game against Victoria was difficult because U of V had not played on Friday. More importantly, U of V has two world student games players, Peter Zachary and Dave Secco.

The game was scoreless

until 12 minutes into the second half. Rudy Bartholemew

collected the ball after Alberta's Phill Webb and Mark Olivieri tried to head it. Bartholemew pulled the goalkeeper and clouted

the ball into the Victoria goal. However, Joel Cochrane was

screened and unable to stop a U of V shot that evened the score.

According to Esdale, the Bears created many scoring opportunities near the game's end. Still, he pointed out the Bear's defense in previous games too, had enabled the Bears to remain competitive. In particular Victoria's Zachary was nullified by Phil Mosele and Steve Smith.

points out their strong defense. In five games they have lost only two points, both in tied matches. In addition, in five games, the defense has given only five goals.

The remaining game against the coastal teams is this weekend on the 13th of October, at Varsity Stadium. This game could be the most important in the Bear's search for a conference title. It will be interesting to see if the Bears can maintain the same aggressive pace and hold on to first place in the West.

The Bear's record so far

Never say boring

by Garnet DuGray

So now you think you are in good shape after entering the Turkey Trot, the jogging clinic, the "Stamp Around Alberta" jogging program and the noon hour fitness program. In that case, everyone from the Men's Intramural program is welcome to come out this Saturday, October 13, at 2:00 p.m. for the 'Tour-de-Campus' bike race. The race will take place around the campus and entry deadline is set for Wednesday, October 10 at 1:00 p.m. Bring out your bike and go for it.

In other men's news, Wednesday is the deadline for Team Handball and Racquetball Tournament. Both deadlines are at 1:00 p.m. Wednesday, October 10.

The Team Handball will run from October 18-30 on Tuesdays and Thursdays, with a clinic on Tuesday, October 16 to explain the rules. All games will run from 7:30 - 10:30 p.m. The game of Team Handball is fast, exciting and catching on very rapidly so make sure you get your team in now.

Co-Rec rally drivers start your engines! Coming soon on Sunday, October 21 at 10:45 a.m. is the Co-Rec Car Rally, so be sure to get your entry in by October 19 at 1:00 p.m. in the Co-Rec Office. Each team is to supply its own car and must have at least one male and one female per car. However, the Co-Rec people feel that "the more the merrier." The course is designed for both novice and experienced drivers. In addition, there are prizes to be won.

The women's department would like to remind all women that Volleyball and innertube Water Polo begins play next week.



Funky bites dust in Turkey Trot.

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8 P.M.-MIDNIGHT

SATURDAY, OCTOBER 13

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Cheap trick

WINNIPEG (CUP) — Recent federal cuts in intervarsity athletic travel funds are causing the cancellation of athletic events in western Canada.

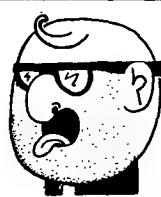
An interlocking basketball schedule proposed by the Great Plains Athletic Conference (GPAC) and the Canadian Western Universities Athletic Association (CWUAA) has been eliminated and half of the scheduled hockey meets cancelled in initial cost-cutting measures by the two organizations.

The former Liberal government had promised GPAC and CWUAA \$350,000 to subsidize travel costs but, Conservative sports minister Steve Paproski chopped that amount down to \$200,000. Another Liberal promise of \$150,000 to the Atlantic conference was cut down to about \$90,000 by the minister.

University of Manitoba president Ralph Campbell called the cutback "very serious and detrimental" to the U of M sports program.

In spite of the measures taken to offset the travel funding decrease, fewer athletes will be sent to individual sport competitions, such as swimming and skating events, to further cut costs, Campbell said. All other sports will also have their schedules curtailed, he said.

Money may have to be taken from other areas to cover the revenue shortfall for travel, Campbell said.



Terry Jonestown

BIZARRE AND FRIGHTENING events have occurred recently around Varsity Stadium. In a series of chilling episodes, football tackling dummies have been mutilated. Vital parts were removed with uncanny and inhuman precision. Rumors of strange lights and tracks have also circulated. As yet, Campus Security has no official explanation, but one officer hinted that renegade Tories are to blame. The theory goes that in their fiscal restraint, particularly for amateur sport, fringe Tories have actually chopped up vulnerable athletic equipment. It is interesting that the Eskimo's pro football team has not been victimized.

CLEAN UP YOUR ACT MAN. It's about time someone did something for our basketball Bear's image. In a long awaited move Brian Heaney, new b-ball coach, has ordered his boys to cut off unsightly facial hair. This move is to promote a sleeker, more streamlined Bears team. Not only will they be better players, but tragic accidents will be prevented. Heaney quotes clinical studies linking "basketball deaths to beards getting caught on hoops during lay-ups." Brian isn't going too far though. Leg and armpit hair is okay as long as it is clean and no longer than four inches.

AAIIIEEE, SHREIK! It's almost cold enough to take the bus to school. That means the Bus Enduro champs will soon be underway. The idea of the competition is to stifle all coughs, runny noses, itchy buttocks and other general signs of life. Points are scored for difficulty of performance and endurance. Big points are scored for suppression of burps and total avoidance of eye contact. Ability is rated by the number of props used. If you can get by without reading material or food, you're a potential champ. Reg Buskin, defending champ from Philosophy, says he can "ride the ETS hell run, from the U of A to Mill Woods" and maintain the ideal DOA posture.

Dive! Dive! Dive!

Tryouts for the U of A diving team will be held at the pool from 3:00 to 5:30 p.m. on Oct. 10. Coach Don McGavin asks that people with past competitive experience should apply. In addition, McGavin invites children of university families to

come out to the Kinsmen aquatic center at 9:00 a.m. this Saturday. The program is called a Sports School program and is open to children between 9-15 years. On Saturday, registration will take place and more information will be available.

ratt ON CAMPUS

(room at the top) offering full food service all day. Beer & Wine after 3

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 Saturday 2:30 - 11:30 p.m.



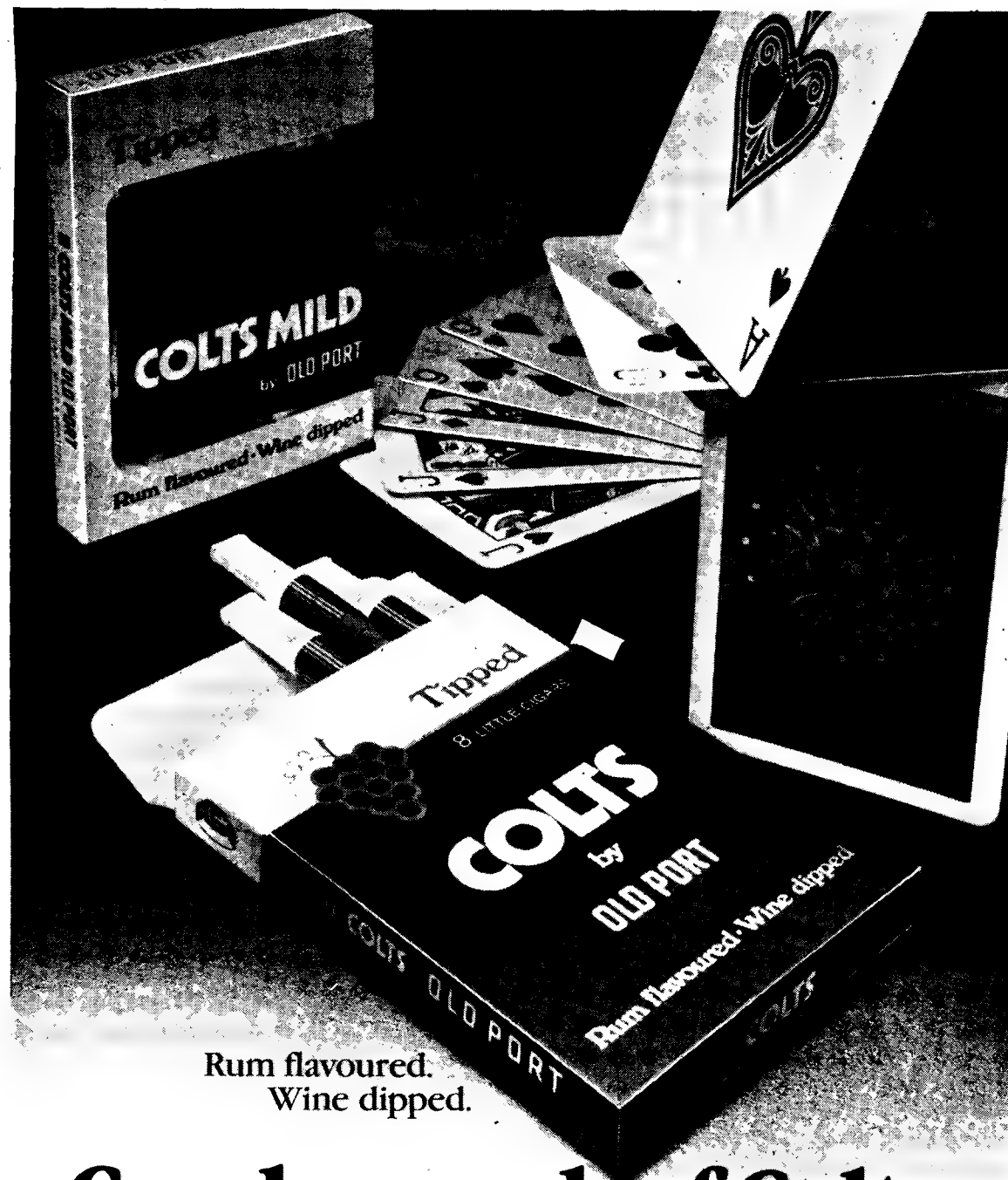
D.I.E. BOARD

The Discipline, Interpretation and Enforcement Board is established for the purpose of enforcing discipline among the members and organs of the Students' Union, interpreting the Constitution and all By-Laws and motions of Students' Council, and enforcing compliance with the Constitution and By-Laws of the Students' Union.

It is usually convened several times a year to handle matters which arise.

It is currently accepting applications both for regular and alternate members, who shall sit as board members when regular members are absent. The application deadline is October 15, 1979.

For more information, come into the S.U. Offices in 259 SUB or phone 432-4236.



Crack a pack of Colts along with the cards.

TUITION FEES

If fees are still unpaid after October 15 a student's registration is subject to cancellation for non-payment of fees and the student to exclusion from classes.

Students in the Faculty of Graduate Studies and Research are reminded that their fees are to be paid by the date indicated on the fee assessment advice form which will be mailed to them.

Students who expect to pay their fees from federal and/or provincial government loans are referred to Section F of the Registration Procedures booklet or to Section 15.2 of the University Regulations and Information for Students Calendar.

Fees are payable at the Office of the Comptroller on the 3rd floor of the Administration Building.



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Bishop - Western Canada Synod
Lutheran Church in America

NUS fuss all finished

One official delegate and two observers will go to the National Union of Students (NUS) conference for the U of A. Students' Council stood behind its earlier decision to do this, in spite of objections from NUS fieldworker Rob Lauer.

According to vp external Tema Frank, the suggestion to send observers who do not pay conference fees came from another NUS fieldworker, but now Lauer is threatening to ensure that the unofficial U of A delegates would not be allowed to speak in workshops.

Bears' beerfest success

Bear Country, the Golden Bears' annual fund raising event was a huge success this year, according to its organizers. The dance and beerfest attracted in excess of 3,000 people to the Kinsmen Fieldhouse last Friday night.

Two bands, Good Times and Headwind, played from 8:30 to 1:00 p.m.

During the three-quarter hour break between bands, an all male kickline and satire of Pope John Paul II entertained the crowd.

Profits from the event will help finance Golden Bear sports teams.

Pyramids to the rescue

by Janet Laddish

Pyramid energy and psychokinesis (mind over matter) were the subjects of a three hour lecture last Friday evening.

Dr. Fred Bell, former NASA physicist and Dr. Lawrence Kennedy, a parapsychologist and psychic teacher, spoke to a large audience in the boardroom of the Executive House Motor-Inn.

Dr. Bell explained that pyramid energy has the ability to expand consciousness and "to hold life form." In an open-framed geometric shape, energy is gathered and acts as a lens focusing that energy inside and outside of the shape, he said.

Bell referred to this shape as a pyramid. Worn like a hat, the pyramid, he said, is constructed of negative ion producing elements and precious metals which reduce the effects of fatigue, stress and air pollution on the body. Other effects are loss of appetite, decreased migraines and a higher vitamin and mineral assimilation in the wearer, he said.

Dr. Kennedy further demonstrated the use of pyramids in psychokinesis. Since higher consciousness is an effect of pyramid energy, psychic feats such as "spoon bending" are possible.

During the lecture, Kennedy verified this mind control by bending various forms of silver while wearing a pyramid.

Bell affirmed that under pyramids plants which normally require large amounts of sunlight were grown in darkness. He said plants grow especially well in pyramids such as the Muttart Conservatory.

He also pointed out that, like solar energy, pyramid energy is "free."

However, he continued, it has been largely undeveloped because it is in opposition to the high profit climate of the oil industry.

Drs. Bell and Kennedy are currently on a lecture tour of North America.

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Workin' the street from page 3

Here are highlights of the program's two-day schedule.
Thursday, 10:30 a.m.: "How accessible is university?" Guest: Lake Sagaris.

Thursday, 3:40 p.m.: "Are we graduating illiterates?" Guest: Jim Marino, English professor.
Friday, 2:50 p.m.: "Should foreign students be required to pay higher tuition fees?" Guest: Ruth Groberman, International Students Advisor.

Friday, 3:40 p.m.: "Do we have too many college graduates?"

Guest: Bill Finn, Union of Provincial Employees representative.

Friday, 4:30 p.m.: "Does university prepare you for the working world?" Guest: Dr. Zelmer.

Giveaway from page 3

and largely incorrect or irrelevant.

International students were made "scapegoats" for problems in the educational system. Parr cited the item as a "thinly-veiled racist attack on international students."

"I agree with Parr," said Olmstead. "Oriental students were shown in some cultural activities, and shots were taken of rooms full of Oriental faces — which is a total distortion of the foreign student situation at this university and is racist in its implications."

WANTED

Staff for By-Election

October 19th

Wages \$3.75/hr.

Contact the Returning Office

(271 SUB)

for further information.



STUDENTS' UNION



2nd Annual

Basement Clearance Sale

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Today, the chartered accountant is not only an auditor but a valued business adviser. Challenge, opportunity and responsibility are all part of the career path of those who choose to enter this demanding and exciting profession. Discuss career opportunities with Clarkson, Gordon representatives, on campus

Oct. 29, 30 & 31

Nov. 2 & 5

Arrangements should be made through the Student Placement Office.

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Commerce Final Year Students

Today, the chartered accountant is not only an auditor but a valued business adviser. Challenge, opportunity and responsibility are all part of the career path of those who choose to enter this demanding and exciting profession. Discuss career opportunities with Clarkson, Gordon representatives, on campus

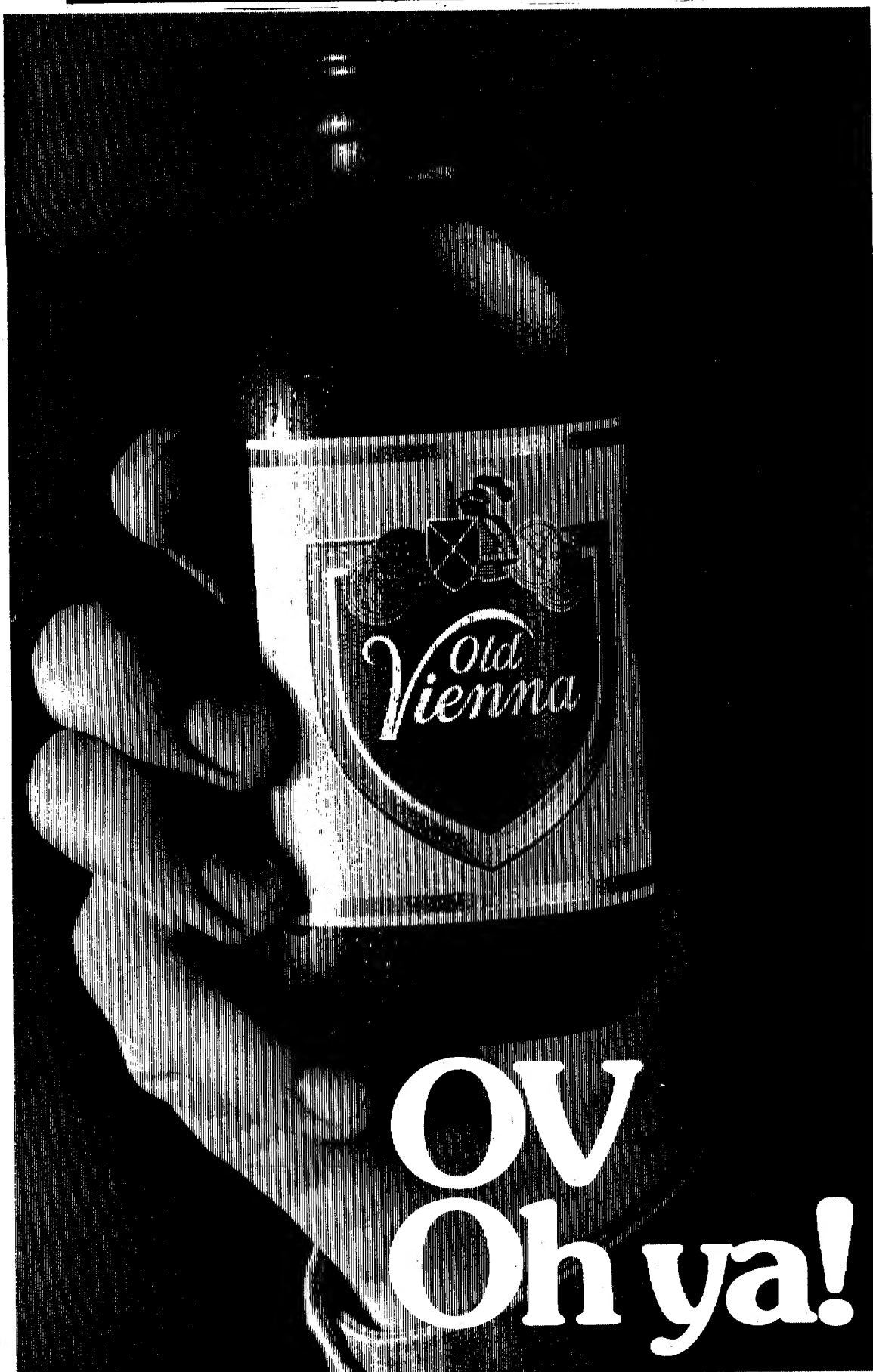
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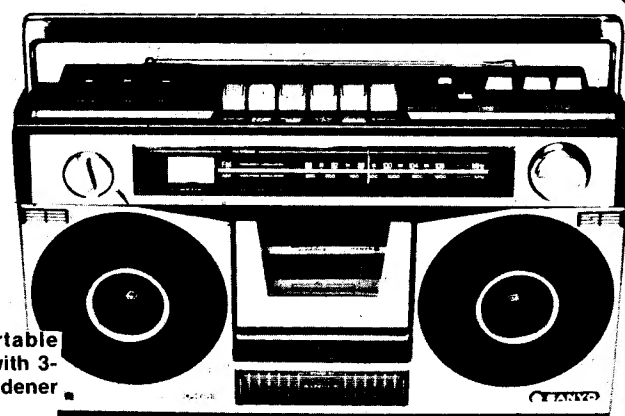
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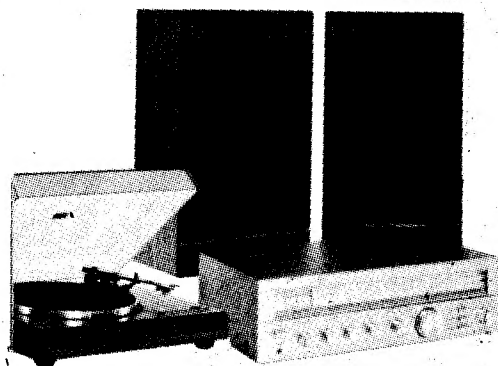
Monday - Thursday 7:30 a.m. - 11 p.m. Beer & Wine 3 - 11 p.m.
Friday 7:30 a.m. - 12 p.m. Beer & Wine 3 - 12 p.m.
Saturday 10 a.m. - 5 p.m. Beer & Wine 3 - 12 p.m.
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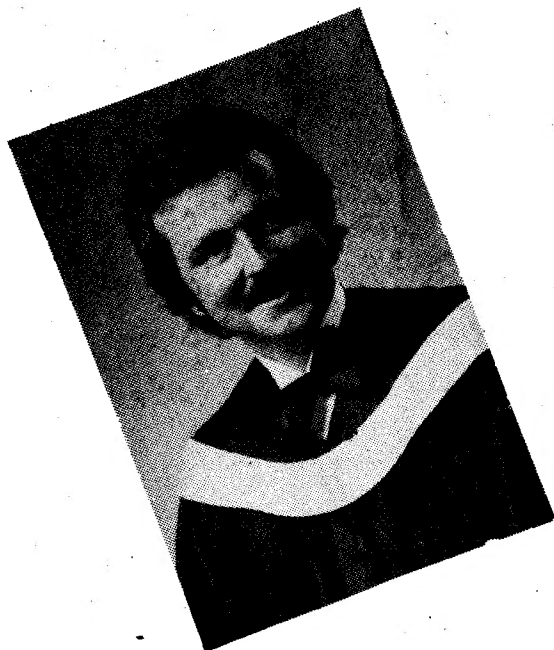
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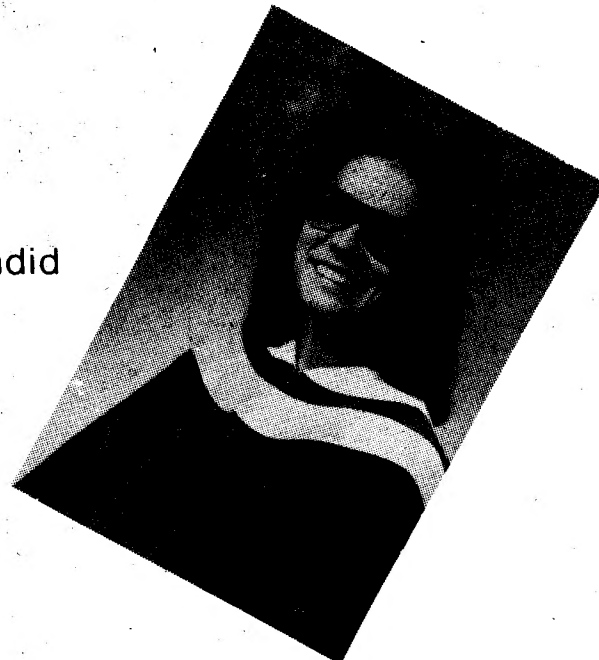
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footnotes

October 10

Understanding Catholicism. 7-9 pm in Newman Centre; St. Joseph's College. Series of lectures open to public at no charge.

One Way Agape weekly meeting & bible study, CAB-289, 5 pm.

Edm't. Chamber Music Society opens season with concert by Dalart Trio, SUB Theatre, 8 pm. Admission by season membership, available at HUB Box Office, Canadiana Gifts, & at door. \$25 for six concerts, \$12 for full-time students & senior citizens.

Last day to register for Men's I-M team Handball tournament & clinic. Register at Men I-M office.

UACS (Computing Society) meeting in GSB-611, 7 pm. All members please attend, new members welcome.

October 11

LSM Study Group on "Prayer" cancelled this week. Will resume next Thursday at 7:30 at the Centre.

EE Religion Society discussion on "Confucianism." 12 noon to 1 p.m. SUB 626. For info call 452-2241.

October 12

U of A Literary Society meets at 3:30 in HC 1-11 to plan the 1980 Gasoline Rainbow.

Political Science Undergrad Assoc will hold a forum on the Speech from the Throne at 3 p.m. in Tory 14-9. All welcome.

Chinese Students' Assoc. movie "Victory" at 7:30 and 9:30 in TL-11. Members \$1; non-members \$1.50. Net profit donated to SU Refugee committee.

October 13

Rec Students' Society is sponsoring Dinwoodie Cabaret featuring "The Fuse." Tickets available for \$3 from your favorite Reccer, at the door and from SU Box Office.

Women Engineering Students. Wine & Cheese party 7:30 p.m. Rm. 142 SUB. Dress casual.

October 14

LSM Co-op Supper at 6 p.m. and Fireside Discussion on "The Dene Nation" at 7:30. At the Lutheran Student Centre, 11133-86 Ave. All welcome.

Lutheran Campus Ministry. Worship at 10:30 a.m. in SUB 142. Guest speaker: Rev. Donald Sjöberg, Pres of Western Canada Synod. All welcome.

October 16

Debating Society will meet tonight at 8:00 p.m. in Rm. 2-58 in the Tory Building. Come and expound your views at the Public Debate. "Resolved that a Palestinian State be established in the Middle East."

LSM Evening worship with folk service of Holy communion, 8:30 p.m. at the Centre, 11122-86 Ave.

General

Strathcona Comp Yearbooks. The 1978-79 Scona yearbook is available in the Scona rm and store at Strathcona.

Clubs Commission deadline for club registrations is Oct. 15, but act now & avoid the last-minute rush.

CJSR has openings for news & sports announcers. For info drop by room SUB-224, see Nolan or Doug.

Typists & Students! To type or to find a typist, come up to Student Help, Room SUB-250, or phone 432-4266.

Yoga for Fitness & Relaxation starts Oct. 8, 5-6:30 pm, (Mondays). Free to all members of university community. Will be held in Gold Room, Lister Hall, for info call 432-2581.

Do you have ideas on what the long-range plans for SUB should be? If so, contact Sharon Bell (Rm. 259 SUB or 432-4236) as we need members for the SUB Long-Range Planning Committee.

Student Help is in need of tutors, especially in Geology, Math, Chemistry, Economics & Computing Sci. Inquire at SUB-250, 432-4266.

Men's Intramurals team handball tournament & clinic will be held Oct. 16. Deadline is Oct. 10 for registration at the I-M office.

U of A Aikido Club classes held every Friday, 5:30-7:30, Judo Rm. West Gym.

Women's Intramurals Volleyball—8 competitive teams, 20 rec. teams, Tues & Thurs 7-10 pm. Needed referees \$3.50/hr. Inquire at I-M office.

Rutherford House, 11153 Sask. Drive open Saturdays & Sundays, noon to 6 pm. Conducted tours are given. Phone 427-3995 (weekends) or 427-5708 (weekdays) for more info.

Arts Students Assoc. - Arts students take advantage of 5¢ photocopying, located in front of Rm. 2-7 Humanities Centre, will be available starting Oct. 2.

Students International Meditation Society free introductory lecture every Tues. 8 pm in SUB-270.

Gregorian Chant Choir - rehearsals for the choir to be held every Monday evening 7 - 8:30 pm in St. Joe's College, room 102.

University Women's Club Bursaries. Mature students with financial needs may apply for this bursary at the Office of Student Affairs, 225 Athabasca Hall, 432-4145. Deadline for applications is Oct. 12.

Volunteer Action Centre needs volunteers to work in volunteer programmes throughout the city. Call 432-2721 or drop in to 132 Athabasca Hall Wednesdays & Fridays, 12-4 pm.

Daily Mass at St. Joseph's University College: M.W.F.S. 12:10 & 4:30; TR 12:30 & 4:30; Mon-Fri 7:30 a.m.

There is a branch office of the Volunteer Action Centre at 132 Athabasca Hall. Call 432-2721. Office hours Wed & Fri 12-4 pm. All students interested please give us a call or drop in.

Learn to develop and apply decision making skills in your personal, educational, and career life. Contact Student Counselling Services, Athabasca Hall, 432-5205.

Volunteer Action Centre needs volunteers! Opportunities lie with over 135 non-profit agencies. Call 432-2721 or drop in to 132 Athabasca Hall Wed. or Fri. 12-4 pm.

U of A Wargames Society meets every Wed. & Fri, 6 - 11 pm in CAB-335.

classifieds

Classifieds are 15¢/word/issue. Must be prepaid at Rm. 238 SUB - 9 am - 3 pm. Deadline is 12 noon Monday & Wednesday for Tuesday & Thursday insertion.

The Princess Theatre would like 2 or 3 affable students, interested in film, to work part-time. Evenings and weekends. Very flexible hours. Phone 433-0464 after 7 pm.

Wanted: Writers, photographers, cartoonists & artists for Canada's first dope magazine. Submissions should be of a national or international nature rather than just local. Also looking for articles in French. Rates: \$50 per major article; \$20 for shorter pieces (less than 1000 words); \$30 for photo, cartoon or art feature; \$5 for single photo or cartoon. Payable upon publication. Contact "Harvest" - Canada's up-front head magazine. Box 4490, P.S.S.E., Edmonton, T6E 4T7. Phone Stan or Dexter at 436-8008. Note: The first issue of "Harvest" is now on sale at Charing Cross Book in HUB Mall.

Quick, professional typing. 85¢/double spaced page. Call Margriet at 432-3423 (mornings) or 464-6209 (evenings) or drop by Rm. 238 SUB 9 - noon.

Westminster Bookbord presents the filmed life of C.S. Lewis in Westminster United Church, 124 St. and 113 Ave. Oct. 28 at 7:30 p.m. *Through Joy and Beyond* depicts the life of Lewis, featuring the voice of Peter Ustinov. Light refreshments will be served; an offering will be taken.

Will do typing, my home, 474-3293.

Typing, photocopying, rental of typewriters available at Mark 9, 9004 - 112 St. HUB Mall, 432-7936. Charge accepted.

Hayrides and Sleighrides between Edmonton and Sherwood Park, 464-0234 evenings between 8-11 p.m.

Typing. Experienced. 75¢ per page. Terry, 477-7453.

Will do typing in my home, phone 478-6852.

Experienced typist available, 462-3934. Alberta Academy of Dance. Ballet, tap, Highland, fashion choreographic design. 10146-156 Street, Edmonton and Fort Saskatchewan. 471-1596, 487-4741, 479-5894, 484-3443.

Experienced typist, 80¢ per page. Call 467-0657.

Typing service, experienced \$1. per page. Call Jan 428-3644 (office between 8:30 am & 4:30 pm); 469-9748 (home).

University music student giving piano lessons close to campus. Phone 439-7971.

2 bdrm. apartment to share. Rent \$110. Available immediately. Phone 455-7452.

Extension Library has vacancies for half-time & full-time clerks to do the following work: open mail (book parcels), shelf books, collect books to send to readers (from lists), pack books in parcels to send to readers. Hours: can be arranged to suit applicants. Pay: \$4.23 per hour. Phone for appointment: 432-3340. Ask for Ms. Dubrule.

For Sale: Mobile Home, 14'x70', 3 bedroom, Curtains, fridge, stove, metal storage shed included. On rented lot in South Edmonton. \$22,500. Phone 435-4977.

Edmonton Yoseikan Karate Club: call Sport Alberta 458-0440.

Large House for rent, Highlands area. Double heated garage, 4-5 bedrooms. \$450 per month. Phone 439-9248 after 4 p.m.

CKUA: Bring back Allan Kellogg.

The Romance Language Department is having a get-together for all students interested in forming a French conversation club. This meeting will be held in the lounge (Arts 132) on Friday, October 12 at 3 p.m.

Most attractive cedar 3 bedroom Cairns bungalow for sale. Owner is relocating. Four years old. Professionally decorated interior, 1508 sq. ft. Deluxe features: sunken living and family room with fireplace and patio doors. All appliances, pantry off kitchen, intercom, double attached garage. Landscaped. Good access to university area. \$112,000. 17807-89 Avenue. Ph. 487-4470.

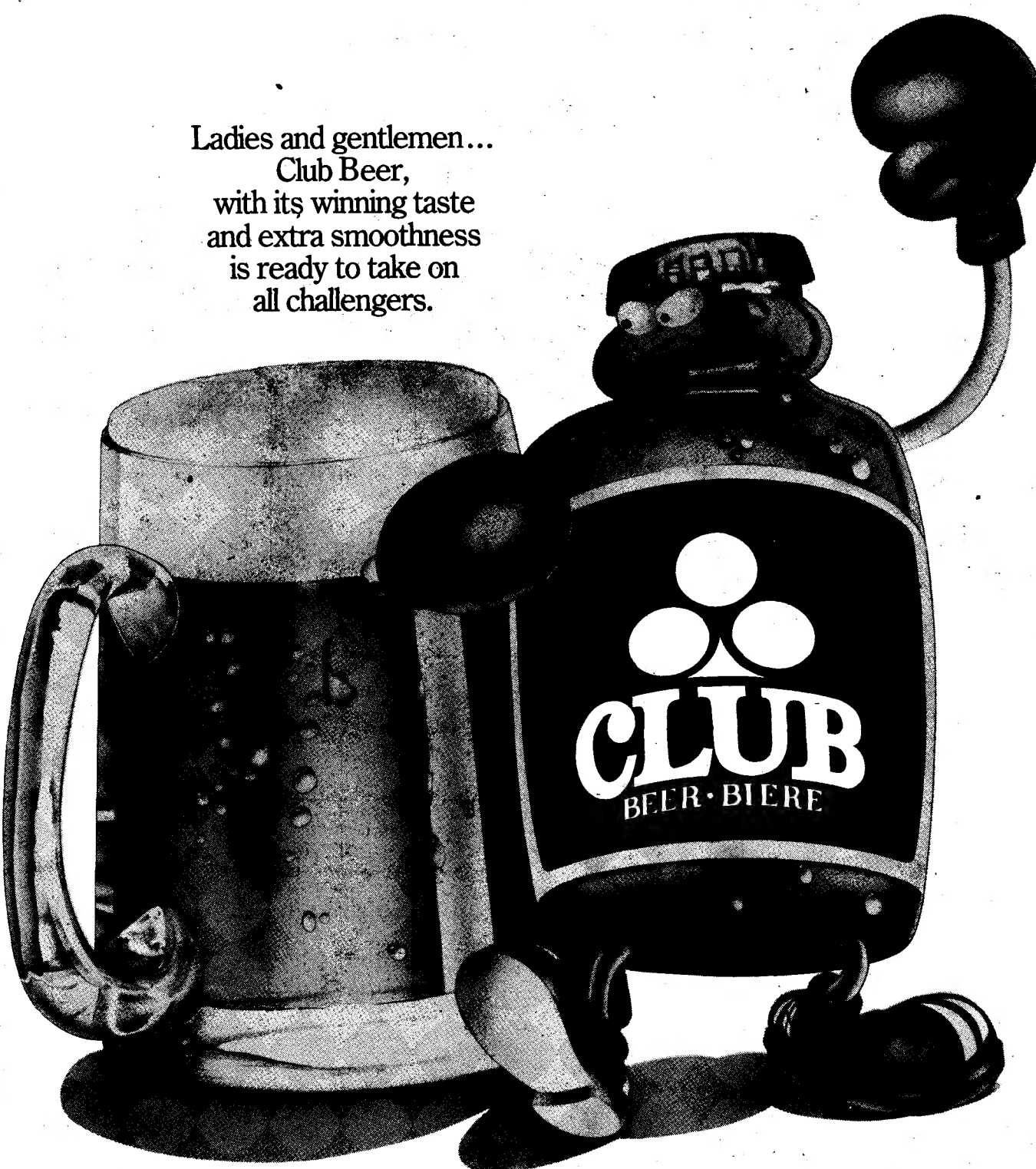
Will do typing at \$1.00 per page. Jane Dumont 479-3843 (Beverly Area).

WANTED: Part-time Research Assistant (\$500-750 month) for human experimental psychology laboratory. Knowledge of statistics and computer programming and previous laboratory experience highly desirable. Send resume to A. Friedman, Bio. Sci. P-559, University of Alberta.

For Sale: 39" x 72" mattress and box spring. Paul, evenings 435-3107.

SOUNDSCOVERY Music Productions. Dance music for all occasions. Ph. Ron, evenings, 426-4270.

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